

Mammoth Lakes Trail System Pathway & Hard Surface Signage & Wayfinding

Design Intent Drawings for Path & Node Signage

Mammoth Lakes Trail System

Signage and Wayfinding

FOR INTERNAL USE ONLY

CURRENT VERSION: June 30, 2024

Draft updates proposed for Section 600 of the Town of Mammoth Lakes Public Works Department's "Town Standards" last adopted and revised July 2013.

"Section 600 is a living document that is updated as necessary to ensure a consistent experience and level of service for trail users on the Mammoth Lakes Trail System while conforming to the needs and expectations of the Town of Mammoth Lakes."

- *General Purpose Statement, Section 600, "Town Standards", Town of Mammoth Lakes Public Works Department*

PRINT SIZE: 11" x 17"



PREPARED BY



corbindesign

Fabrication Specifications

STATEMENT OF INTENT

The fabrication specifications highlighted here are to be used as guiding principles related to the production and assembly process. Minutia related to production may exist between companies. Please verify the standards below with any manufacturer.

A. Quality Standards

The materials, products, equipment and performance specifications described within, establish a standard of required function, dimension, appearance, performance and quality to be met by the Fabricator.

B. Structural Design

Details on design intent drawings indicate a design approach for sign structure but do not necessarily include all fabrication details required for the complete structural integrity of the signs, including consideration for static, dynamic and erection loads during handling, erecting, and service at the installed locations, nor do they necessarily consider the preferred shop practices of the individual Fabricators.

It shall be the responsibility of TOML to ensure all structural & engineering elements are provided to the contractor. The fabricator is subsequently responsible for ensuring signs are fabricated to spec, maintain structural integrity, and are safe.

C. Vandalism Design

All hardware and fasteners within reach shall be vandal resistant.

D. Substitution

No substitution will be considered unless the Owner has received written request for approval. Fabricator may recommend equal or better equipment or method, but will be required, prior to the bid submittal, to provide full documentation establishing such a substitution's equality or superiority as measured in the following:

- compliance with the visual design intent;
- cost;
- ease of maintenance; and
- performance.

Proof of merit for a particular substitute should be justified by the fabricator.

E. Material Handling

The fabricator should ensure that all materials are packed as to avoid any damage to the product.

When possible, recommend that the fabricator label each box with contents.

F. Sign Specifications: Construction Methodology

The goal is for the fabricator to meet the intent of the design/construction instructions but do have some leeway on techniques.

1. Sign faces should be aluminum plate with a minimum thickness of .125 inches.
2. Sign cabinet seams should be sealed.
3. All finishes should be fade-free satin. Scratches and imperfections should be removed from all aspects of sign & metal. Paint application and thickness should meet paint company published recommendations. Do not artificially accelerate the drying process.
4. Conceal fasteners.
5. Sign faces smaller than 8'x20' should be one piece of seamless material.
6. Non-welded joints should be tight and without gaps. Provide fasteners to ensure product is not loose or racking.
7. Provide drain holes as needed. Holes should be inconspicuous. Drainage should not be onto sign-face or other surfaces subject to staining. Take steps to prevent "light leaks" on illuminated signs.
8. Non-illuminated signs should have lettering and graphics created as surface applied vinyl topography. Print at 1200 DPI minimum using pigment based UV inks on a white satin finish UV coated photo paper with a matte UV over laminate. Photo paper should be thick enough to prevent wrinkles.
9. Fiberglass panels with embedded artwork should be 1/8" thick at minimum with permanently embedded graphics. The panel should be solid, one-piece, with all graphics inseparable from the fiberglass in which they were imbedded.
10. Visible metal joint must adhere to a fit tolerance of .01".

G. Fonts/Typefaces

2. Do not substitute, distort, squeeze, tilt, or extend fonts. Production of letters should follow the guidelines in the design intent.
2. Do not use hand-cut characters. Turn of ligatures.
3. Apostrophes, not footmarks, are to be used.
4. All copy should meet the sheen of the copy background (satin). Edges of letters should be straight and corners sharp. Surface of letters should be uniform in color and appearance.
5. Silk-Screening should be of the highest quality. No hand cuts. Ink coverage should always be even in color and thickness.
6. Letterforms should be parallel to sign format. Vertical strokes should be plum.
7. Vinyl graphics and letterforms should be computer cut.

Installation

A. Land Owner permissions:

Make sure to contact the land owner and receive approval of any sign installation before proceeding.

B. Dig permissions:

Installation will be conducted by TOML trail crew staff in most instances. Some larger scale projects will be contracted out to an approved contractor. For any installations requiring digging of post holes mark the proposed hole locations with white chalk paint and then call 811 the "call before you dig" hotline. This service will alert all the relevant utilities of your plans and those utilities will come out to the site and mark any nearby infrastructure. Only proceed with digging after each utility has responded affirmatively. All digging must be completed during the allotted time that you communicate to 811 or another ticket must be initiated.

C. Sign Location best practices:

Signs should be sited thoughtfully, and this will require a site visit to identify the optimal location. Signs should be far enough away from the path or trail so as not to present an impediment to traffic. Careful attention should be given to winter use patterns and any new signs must be sited to avoid snow storage areas and plowing routes. In some instances where this is unavoidable, the signs will need to be removed during winter months to avoid unnecessary damage.

D. Footings:









Any signs installed along paved paths within the town shall conform to the installation specifications outlined in section 600, this document will give specific parameters for footer depth, diameter and mounting hardware.

E. Quality control:

Each newly installed sign shall be reviewed by TOML staff to ensure compliance. Any damage or mistakes will be communicated to the installer and rectified in a timely manner.

COLOR PALETTE

Fabricator is responsible for supplying samples for all colors within the palette.

								
	01 Gold	02 Mammoth Lakes Trail System	04 White	05 Brown	07 Red	08 Yellow	09 Black	10 Orange
Pantone Matching System:	---	---	---	---	---	---	---	---
Matthews Paint:	MP06916	MP00811	MP11477	MP00857	---	---	---	---
High Performance opaque vinyl:	---	---	3M White 7125-10	---	---	3M Sunflower 7725-25	3M Black 7725-12	3M Bright Orange 7725-14
Engineer grade reflective sheeting:	---	---	White 3290	---	3M Red 3272	3M Yellow 3271	---	---

Fabricator is responsible for matching all colors and materials as specified and are required to provide color and material samples for approval.

CAUTION!
CONSISTENT AND ACCURATE COLOR REPRODUCTION IN THIS DOCUMENT CANNOT BE ASSURED.

The Coated Pantone Matching System®, Matthews and/or Akzo Nobel Paint system is used for specifying signage color matches. (In the absence of actual sign material color chip reference sets, actual specified product color swatches should be referenced for color matching.)

Shown here are approximations of the primary signage background colors and supporting accent colors. Actual color finishes on signage must be matte or low luster (not shiny or glossy) and exclusively a premium acrylic polyurethane.

Signage paints produced by MPC Matthews Paint and Akzo Nobel Paint Company are to be the standard reference.

Vinyl Films from 3M and Avery Graphics are to be the standard.

Color application varies per sign type. Refer to drawings for appropriate application.

NOTE: See message schedule document for actual sign messages.

Steel Specifications

Fabricator is responsible for supplying samples.



06 Steel Finish

Steel Type: Corten Structural Steel
Surface Treatment: Lightly wire brush to remove scale. Clean with acetone to remove construction markings.
Finish: Natural, wiped with light coat of oil
Fasteners: Steel with blackened finish

Steel Supplier: To be determined at time of manufacture

All specs to be confirmed at time of manufacture

SYSTEM ARROWS



TYPOGRAPHY (Editable)

Fabricator is responsible for acquiring all project-related fonts.

Century Gothic Bold

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0

Century Gothic Regular

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0

Clearview Highway 1B

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0

Sheet Description

Graphic Standards

Scale

n.t.s.
For visual reference only

Color Code

- 01  Gold
- 02  Mammoth Lakes Trail System
- 04  White
- 05  Brown
- 06  Steel Finish
- 07  Red
- 08  Yellow
- 09  Black
- 10  Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



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SYSTEM SYMBOLS

The fabricator will be provided with scalable electronic artwork for all symbols in a vector art (outlined) format.

Symbols sourced from National Park Service, Hapers Ferry (except E-Bike and Dog Laws, developed by MLTPA for MLTS)



SYSTEM REGULATORY SIGNS



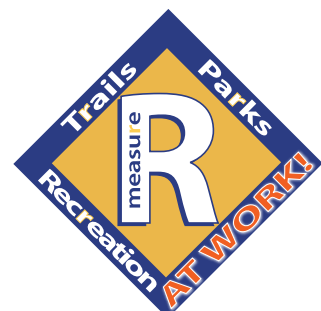
SYSTEM LOGOS



U. S. Forest Service Shield



Town of Mammoth Lakes Brand



Measure R



Mammoth Lakes Trail System Brand

Sheet Description

Graphic Standards

Scale

n.t.s.
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Color Code

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- 06 Steel Finish
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Multi-Use Pathway Sign Type Array

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

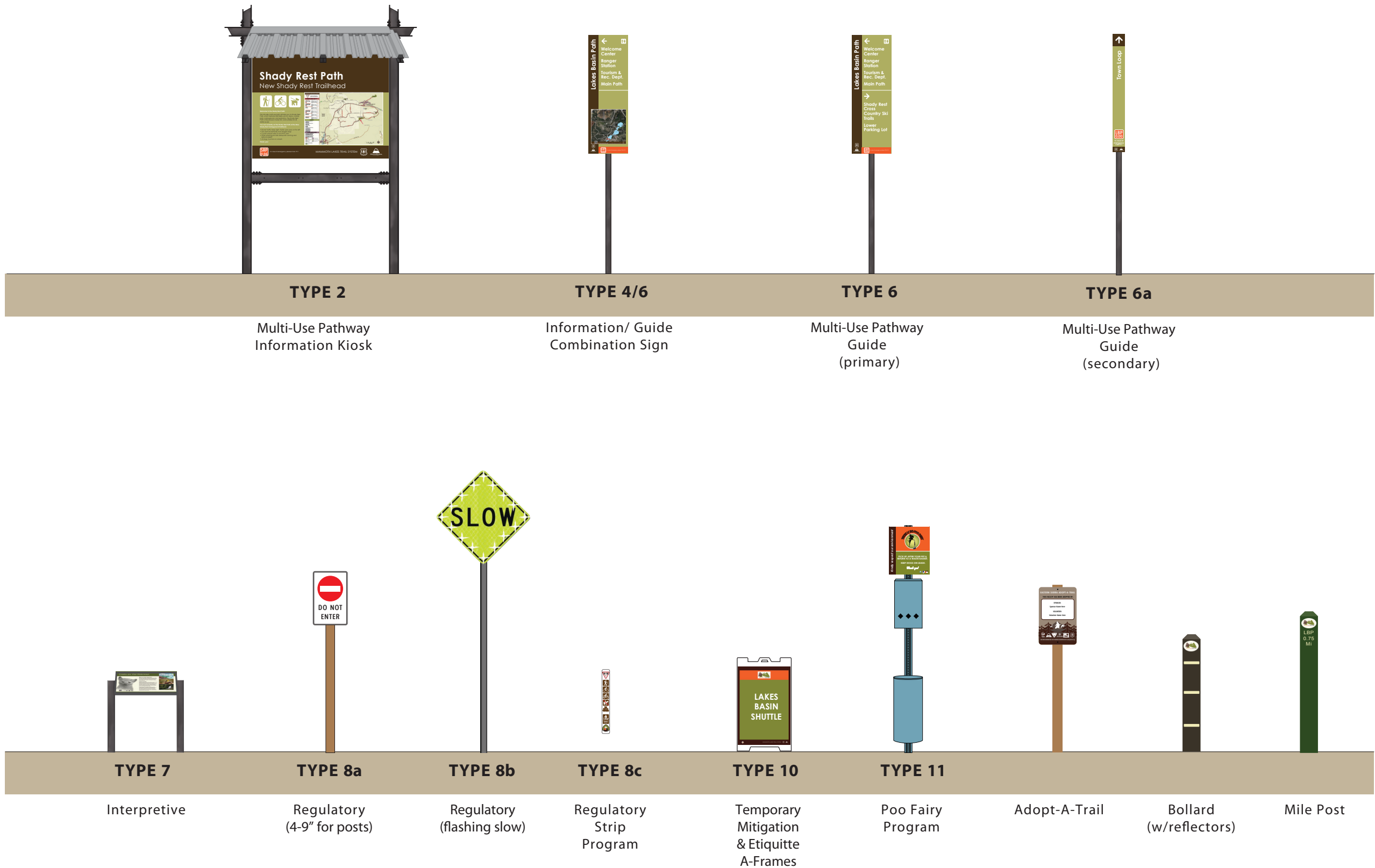
Date Description

01.30.09	Submitted
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TYPE 2

Multi-Use Pathway
Information Kiosk
(front elevation)

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

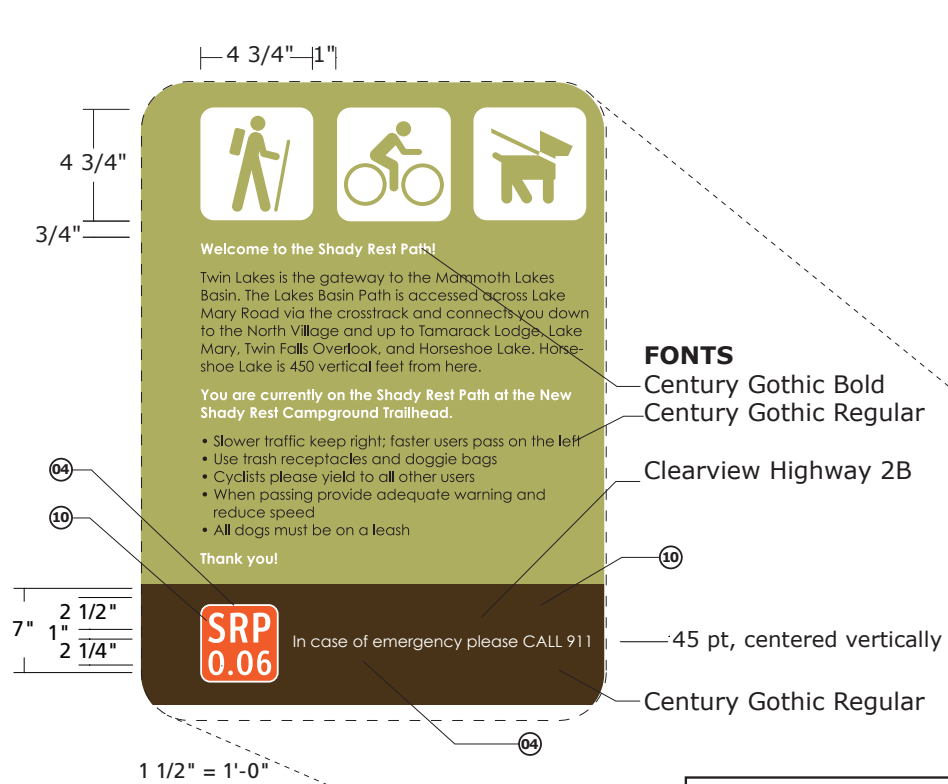
Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

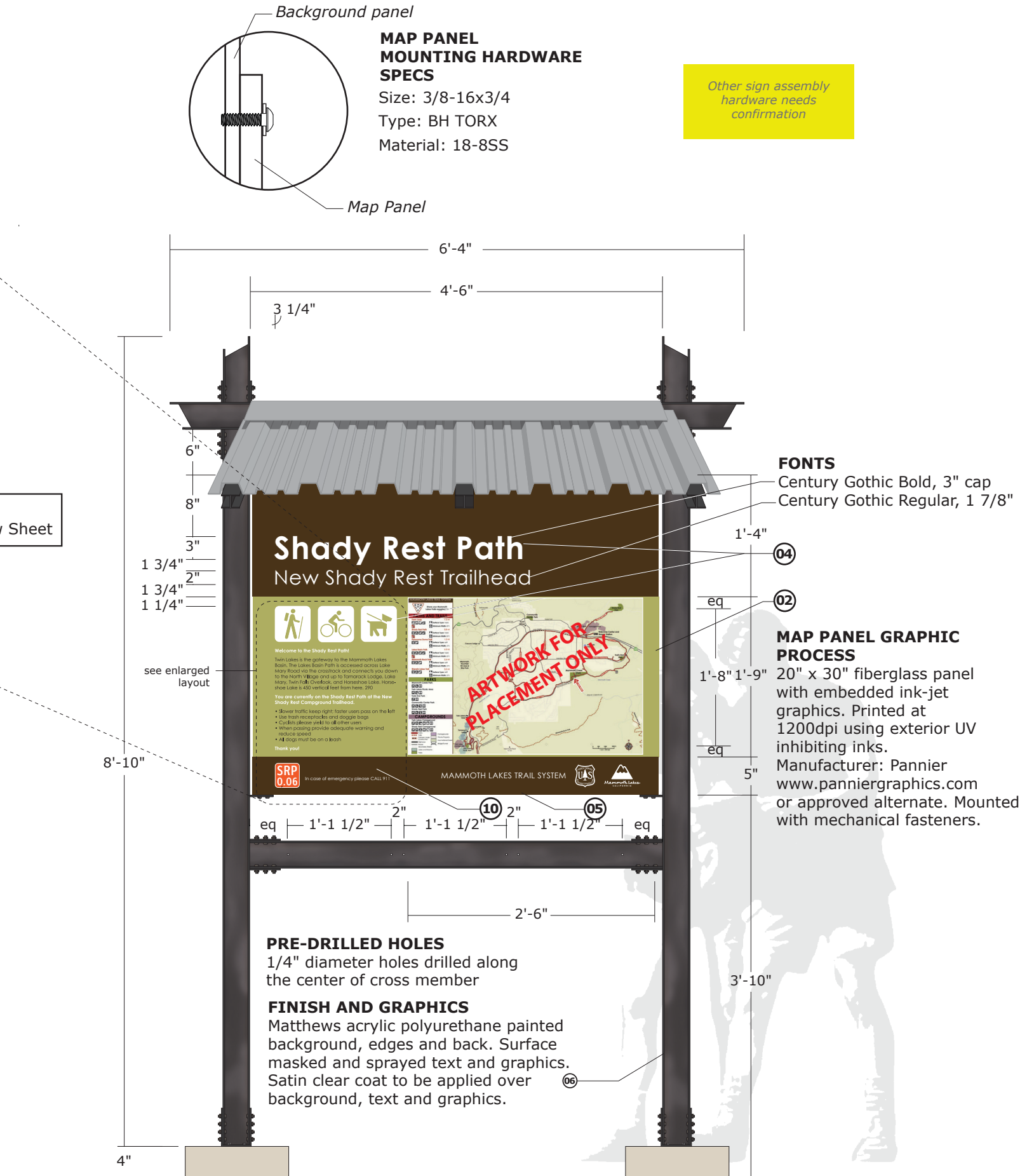
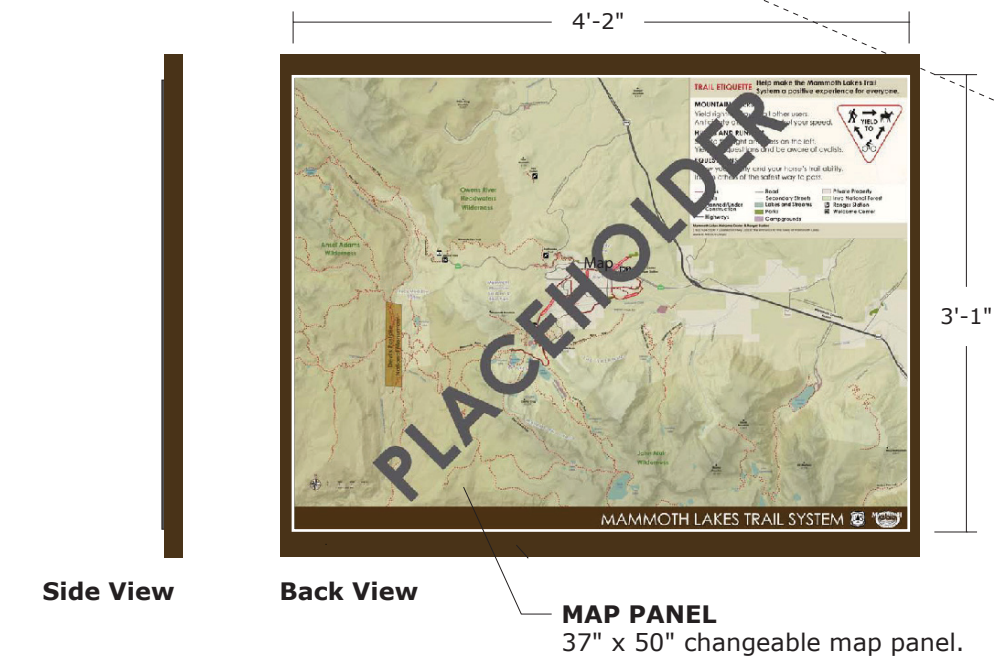
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EXPLODED VIEW
See Type 2 Exploded View Sheet



Supplemental Panels for Lower Cross Member

For Sign Type 2

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

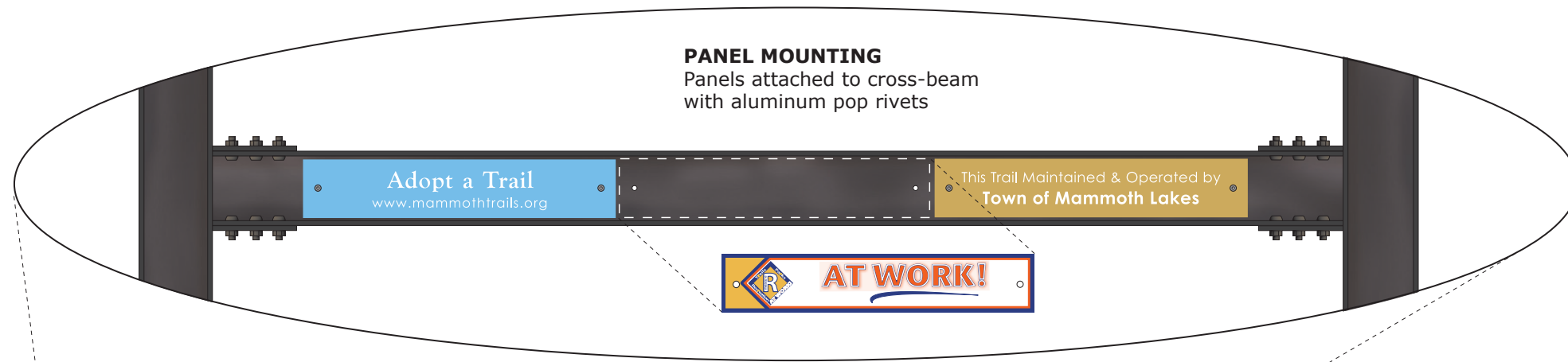
Date Description

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06.30.24	MLTPA Update

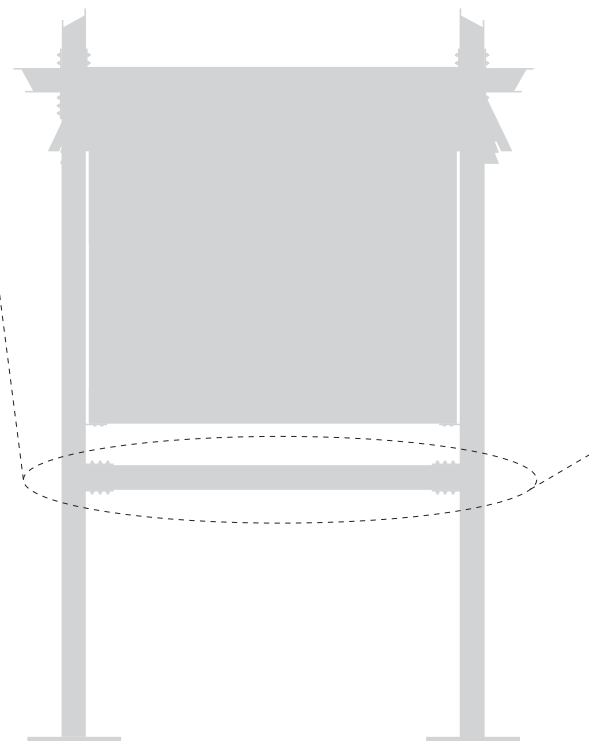
Date Description



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1 1/2" = 1'-0"

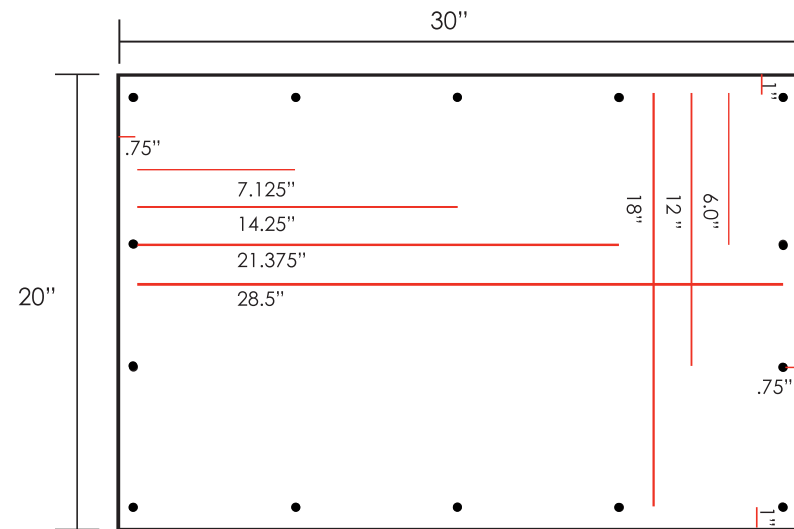


Sign Silhouette



PANELS
1/8" aluminum panels with holes to align with holes in cross beam

LAYOUT EXAMPLES

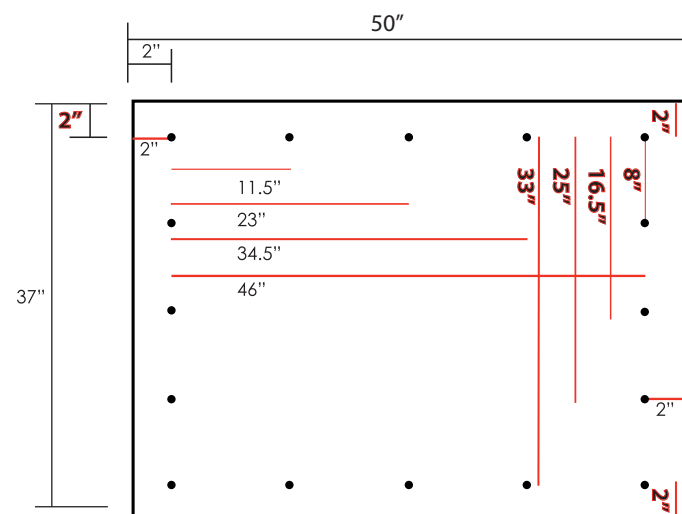


**SIGN TYPE 2
FRONT MAP PANEL SCREW PATTERN SPECIFICATIONS:**

Front Map: 20" x 30"

Horizontal Screw Pattern Spacing (top and bottom of panel): 5 screws
Vertical Screw Pattern Spacing (left and right of panel): 4 screws

Horizontal screws holes are set in .75" from edge of panel
Vertical screw holes are set in 1" from edge of panel

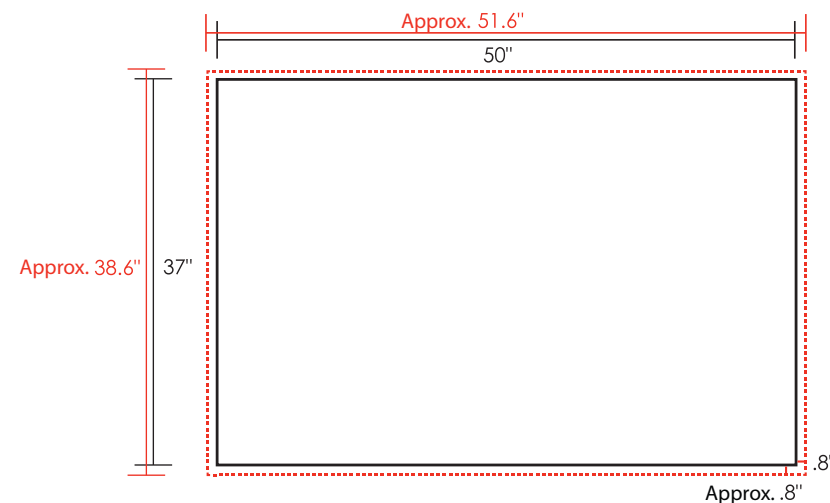


**SIGN TYPE 2
BACK "BIG" MAP PANEL SCREW PATTERN SPECIFICATIONS:**

Back Map: 50" x 37"

Horizontal Screw Pattern Spacing (top and bottom of panel): 6 screws
Vertical Screw Pattern Spacing (left and right of panel): 4 screws

Horizontal screws holes are set in 2" from edge of panel
Vertical screw holes are set in 2" from edge of panel



**SIGN TYPE 2
BACK PANEL PRINT BLEED AREA**

File Dimensions: 51.6" x 38.6"
Trim Dimensions: 50" x 37"
Bleed Dimensions: **Bleed TBD by Manufacturer**

NOTE: Files will be created anticipating that a border cannot be accurately created during the final cut/bleed process.

The final file will be exported as a vector PDF with 300 dpi resolution images imbedded in the file. The file will be delivered in either a CMYK or RGB format depending on the printer's preference.

Sheet Description

TYPE 2

**Multi-Use Pathway
Information Kiosk**

Map Mounting Screw Placement
and Map Bleed Area Details

Scale

n.t.s.
For visual reference only

VERIFIED BY MLTPA - 2019

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
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Prepared by



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TYPE 2

Multi-Use Pathway Information Kiosk

SECTION 600 PAGES 1&2 of 5

Scale

n.t.s.

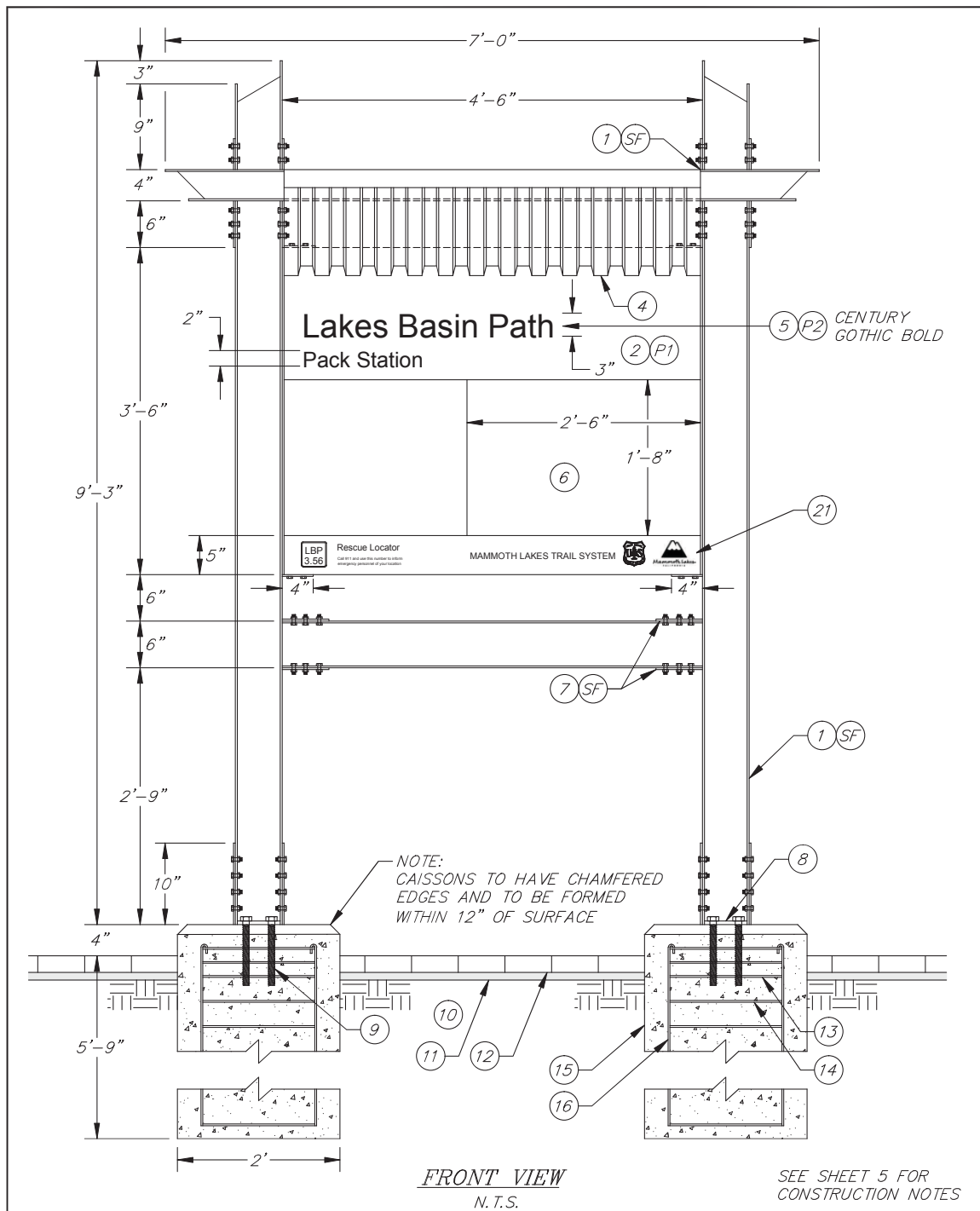
Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

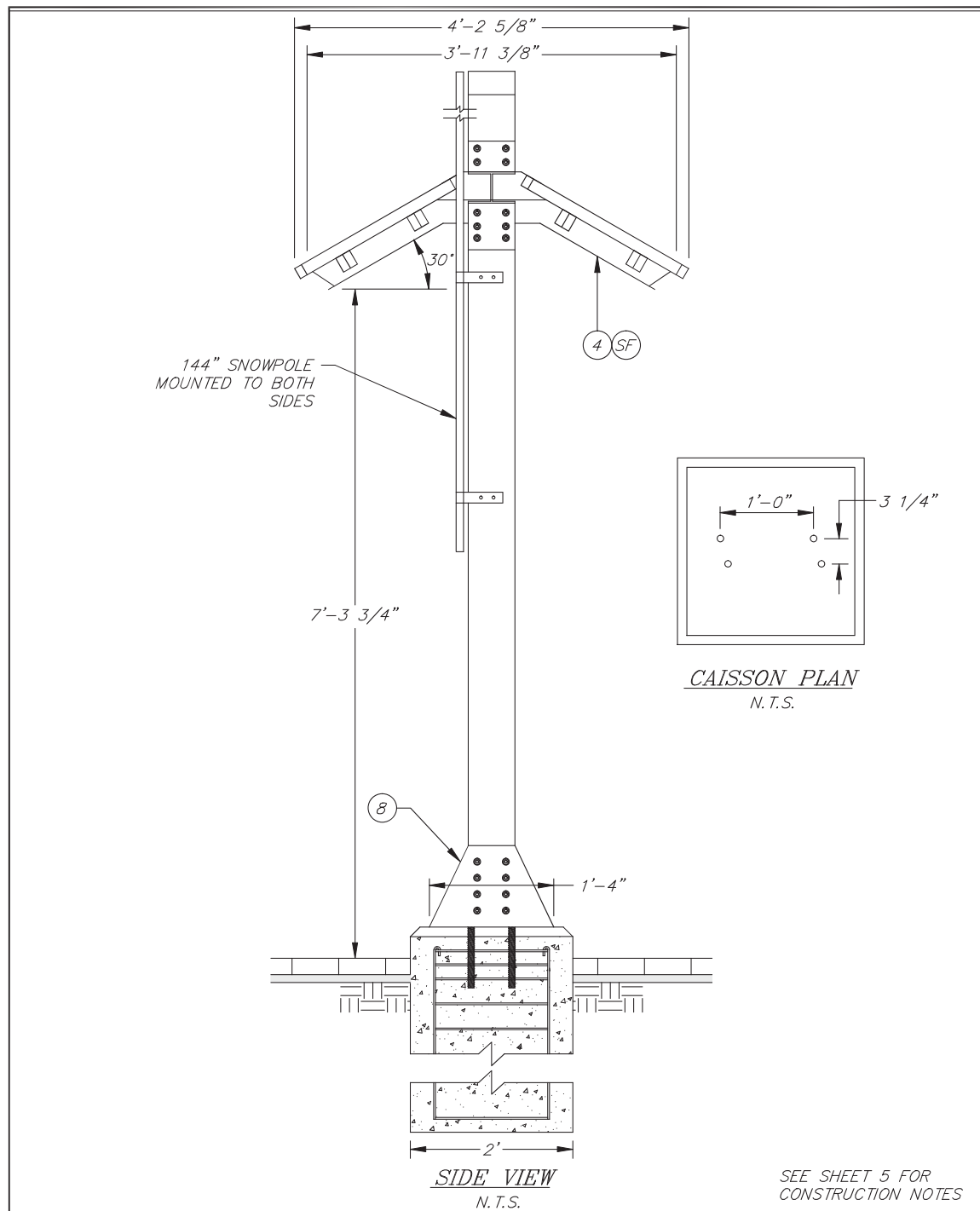
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06.30.24	MLTPA Update

Prepared by



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	SIGN TYPE 2 - FRONT VIEW	STANDARD PLAN 602-1
	PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014	SHEET 1 of 15



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	SIGN TYPE 2 - SIDE VIEW	STANDARD PLAN 602-1
	PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014	SHEET 2 of 15



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TYPE 2

Multi-Use Pathway Information Kiosk

SECTION 600 PAGE 4 of 5

Scale

n.t.s.

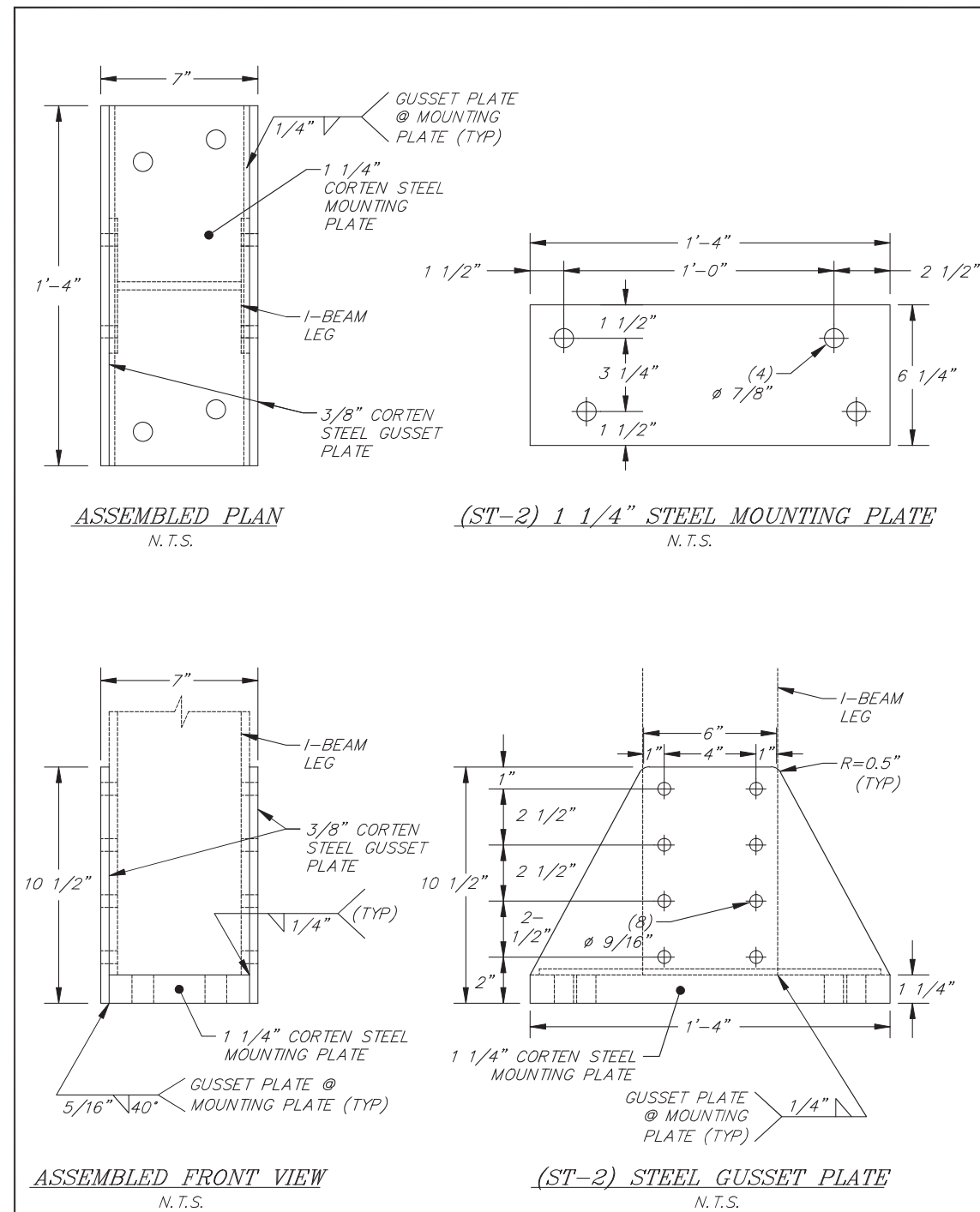
Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
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- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

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TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	SIGN TYPE 2 SUPPORT BRACKET	STANDARD PLAN 602-1
	PUBLIC WORKS DIRECTOR APPROVAL:  DATE: May 7, 2014	SHEET 4 of 15



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TYPE 2

Multi-Use Pathway Information Kiosk

SECTION 600 PAGE 5 of 5

Scale

n.t.s.

Color Code

- 01 Gold
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06.30.24	MLTPA Update

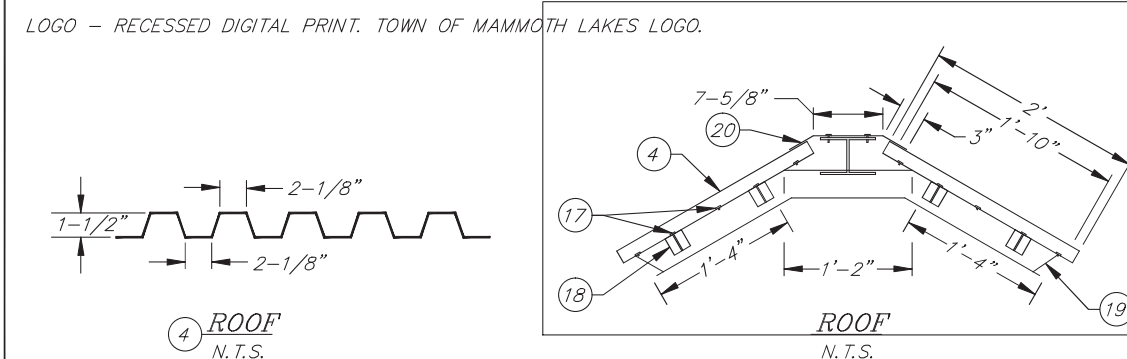
Prepared by

CONSTRUCTION NOTES

1. STRUCTURE - W-6" X 15 LBS CORTEN I-BEAM.
2. SIGN FACES - 1/8" ALUMINUM OVER SIGNCOMP SIGN EXTRUSIONS SERIES 3 ACCESS BODY PART # 1290, BLEED COVER PART # 1692. PAINT BARRIER BETWEEN DISSIMILAR MATERIAL.
3. BACK MAP - 1/8" THICK FIBERGLASS PANEL WITH IMBEDDED INK-JET GRAPHICS. PRINTED AT 600 DPI USING EXTERIOR UV INHIBITING INKS.
4. ROOF - S-3" X 5.7 LBS I-BEAM WITH BOX BEAM CORRUGATED T-304 (16 GA.) GALVANIZED METAL ROOFING WITH MILL FINISH.
5. GRAPHIC - COPY OVER PAINTED BACKGROUND.
6. MAP - 1/8" THICK FIBERGLASS PANEL WITH IMBEDDED INK-JET GRAPHICS. PRINTED AT 600 DPI USING EXTERIOR UV INHIBITING INKS.
7. MOUNTING BRACKET - 1/4" THICK CORTEN STEEL PLATE WITH 1/2" BLACK OXIDE BOLTS.
8. POST SUPPORT BRACKET - 3/8" THICK STEEL SIDE GUSSETS WELDED TO 1 1/4" THICK STEEL MOUNTING PLATE.
9. MOUNTING - 3/4" EPOXIED ANCHORS @ MIN 12" EMBEDMENT IN CONCRETE CAISSON AS REQUIRED.
10. 6" MIN COMPACTED CLASS II BASE.
11. 1" MIN WASHED SAND.
12. INTER-LOCKING PAVERS.
13. #3 TIES @ TOP 5", 3" MIN CLEAR, TYP.
14. REMAINING #3 TIES @ 6" O.C., 3" MIN CLEAR, TYP.
15. CONSOLIDATED CONCRETE, $f_c=3,000$ PSI
16. #6 VERTICAL TIES, 3" MIN CLEAR, TYP.
17. 1/4" HEX ACON STAINLESS STEEL BOLT, NUT, AND WASHER.
18. ROOF CROSS SUPPORTS - 2"x2"x1/4" CORTEN STEEL SQUARE TUBE.
19. ROOF SUPPORTS - 3"x3" CORTEN I-BEAM.
20. 16 GAGE GALVANIZED ROOF CAP.

COLOR SPECIFICATIONS

- P-1 P.T.M. MAP #MP00857 BROWN W/ (SATIN) CLEAR COAT
- P-2 P.T.M. MAP #MP0081 MAMMOTH LAKES TRAIL SYSTEM GREEN W/ (SATIN) CLEAR COAT
- SF STEEL FINISH = NATURAL FINISH



LOGO - RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.

	<p>TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS</p> <p>SIGN TYPE 2</p> <p>ROOF AND CONSTRUCTION NOTES</p>	<p>STANDARD PLAN</p> <p>602-1</p> <p>SHEET 5 of 15</p>
<p>PUBLIC WORKS DIRECTOR APPROVAL: </p>		<p>DATE: May 7, 2014</p>



TYPE 4/6

Multi-Use Pathway Information/Guide Combination Sign

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

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MATERIALS, FINISHES AND GRAPHICS

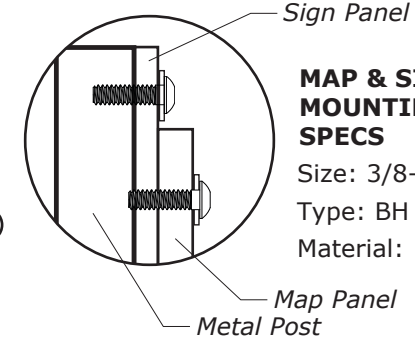
3/16" (th.) painted aluminum panel.
Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

FONTS

- Century Gothic Bold
- Century Gothic Regular
- Clearview Hwy 2-B

Distance indicator
FONT: Century Gothic Regular

04 3/16" thick rule line



MAP & SIGN PANEL MOUNTING HARDWARE SPECS

Size: 3/8-16x3/4
Type: BH TORX
Material: 18-8SS

MAP MOUNTING

Screws are located every 6" around edge of map, 3/4" from the edge to center of screw head.

MAP PANEL GRAPHIC PROCESS

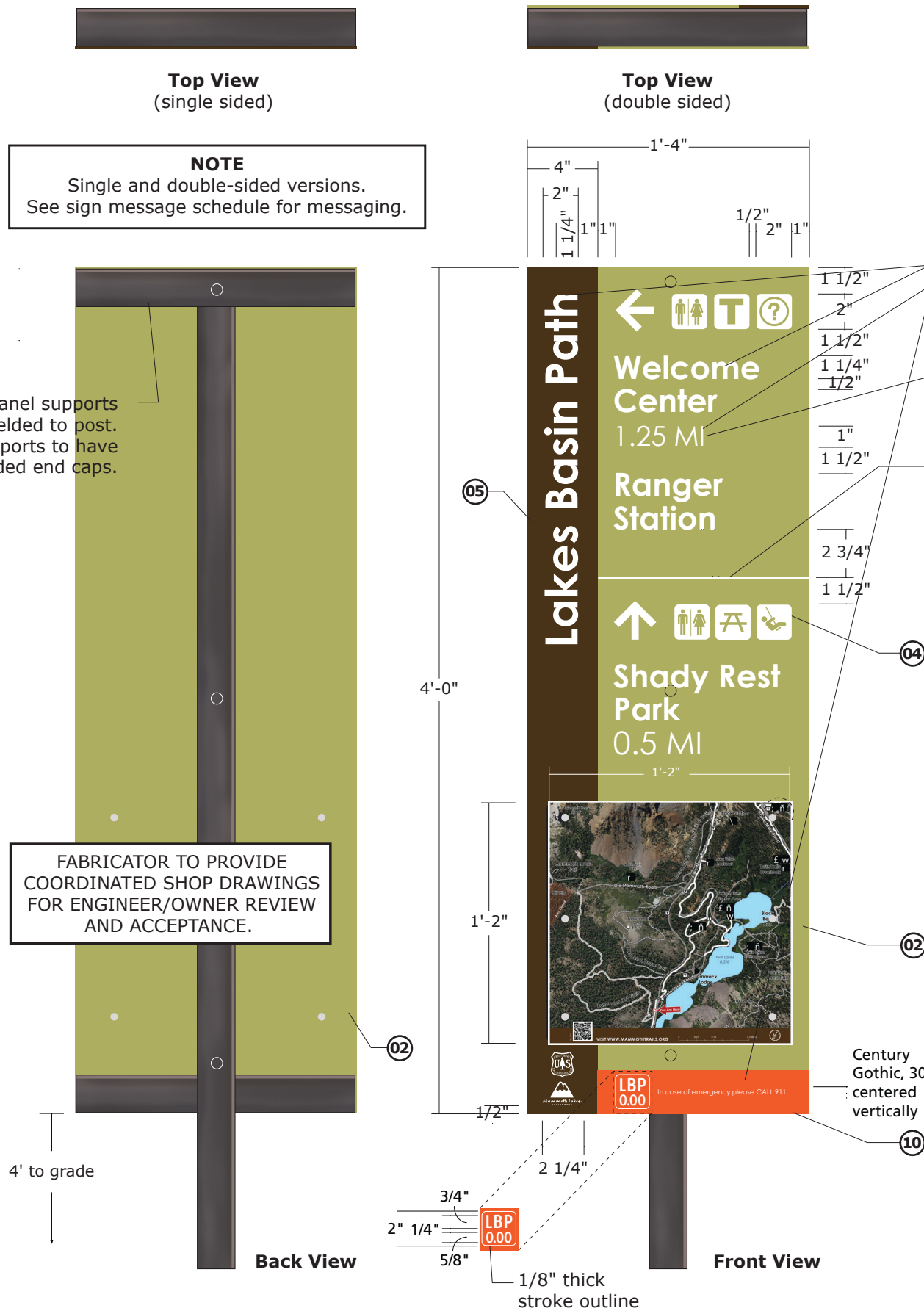
14" x 14" thick fiberglass panel with embedded ink-jet graphics. Printed at 600dpi using exterior UV inhibiting inks. Manufacturer: Pannier www.panniergraphics.com or approved alternate. Mounted with mechanical fasteners.

VERTICAL POSTS

2" x 2" structural steel with holes drilled to accept mounting hardware. Welded end cap to close post. Sign panels are bolted to post through sign face.

INSTALLATION

Direct bury posts into concrete footing. Posts are to be free of movement. Provide additional support at the base if required. Vibration analysis and stiffeners at the base of post where necessary.



Top View (single sided)

NOTE
Single and double-sided versions. See sign message schedule for messaging.

Top View (double sided)

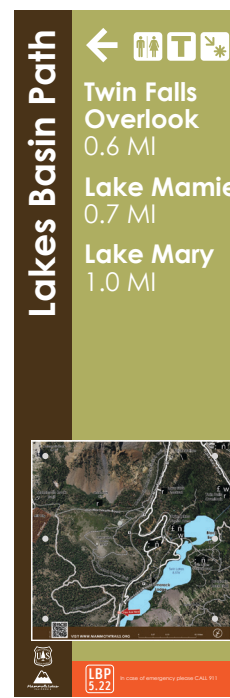
Panel supports welded to post. Supports to have welded end caps.

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

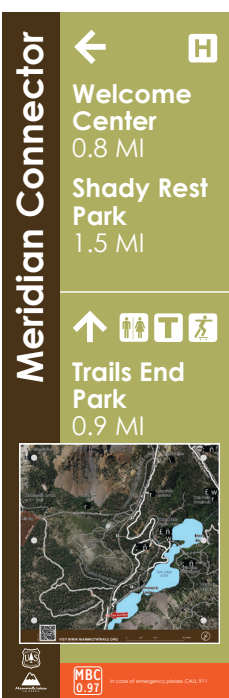
4' to grade



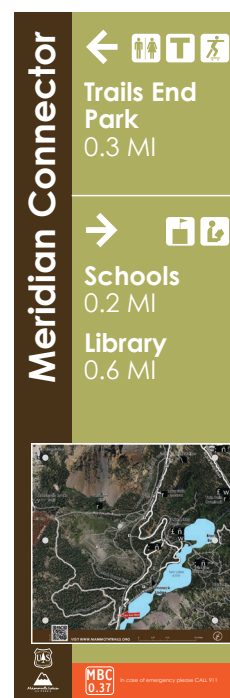
Message Layout A
(sign number SRP 0.37)



Message Layout B
(sign number LBP 5.22)



Message Layout C
(sign number MBC 0.97)



Message Layout D
(sign number MBC 0.37)

TYPE 4/6

Multi-Use Pathway Information/Guide Combination Sign

Map Mounting Screw Placement and Map Bleed Area Details

Scale

n.t.s.
For visual reference only

VERIFIED BY MLTPA - 2019

Color Code

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- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
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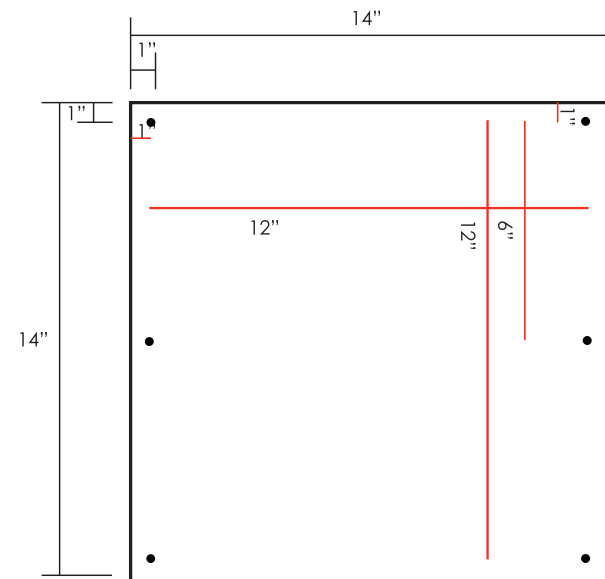
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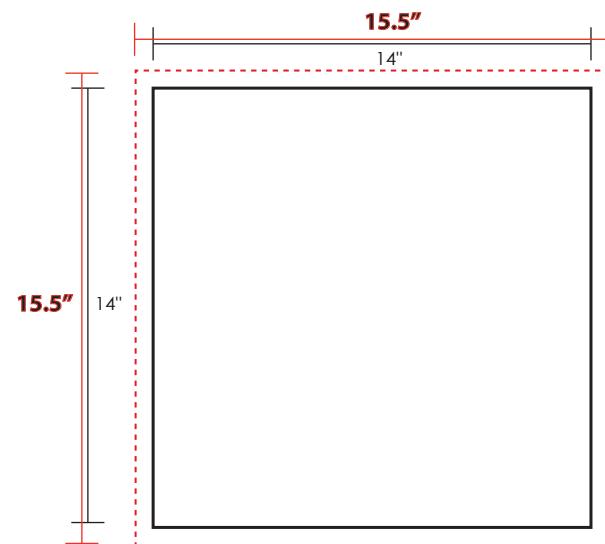


SIGN TYPE 4/6 SCREW PATTERN SPECIFICATIONS:

Front Map: 14" x 14"

Horizontal Screw Pattern Spacing (top and bottom of panel): 3 screws
Vertical Screw Pattern Spacing (left and right of panel): 2 screws centered between horizontal screws

Horizontal screws holes are set in **1"** from edge of panel
Vertical screw holes are set in 1" from edge of panel



SIGN TYPE 4/6 PRINT BLEED AREA

File Dimensions: **15.5" x 15.5"**
Trim Dimensions: 14" x 14"
Bleed Dimensions: **.75'**

NOTE: The owner anticipates that no information in the final file will be cut, fabricator is to ensure labels and text are fully outside of the bleed area.

Files will be created anticipating that a border cannot be accurately created during the final cut/bleed process. Careful consideration of what will be potentially cut off with the bleed area is required. **File is trimmed with square corners.**

The final file will be exported as a vector PDF with 300 dpi resolution images embedded in the file. The file will be delivered in either a CMYK or RGB format depending on the printer's preference.

TYPE 4/6

Muti-Use Pathway
Information Guide
Combination Sign

SECTION 600 PAGES 1-2 of 4

Scale

n.t.s.

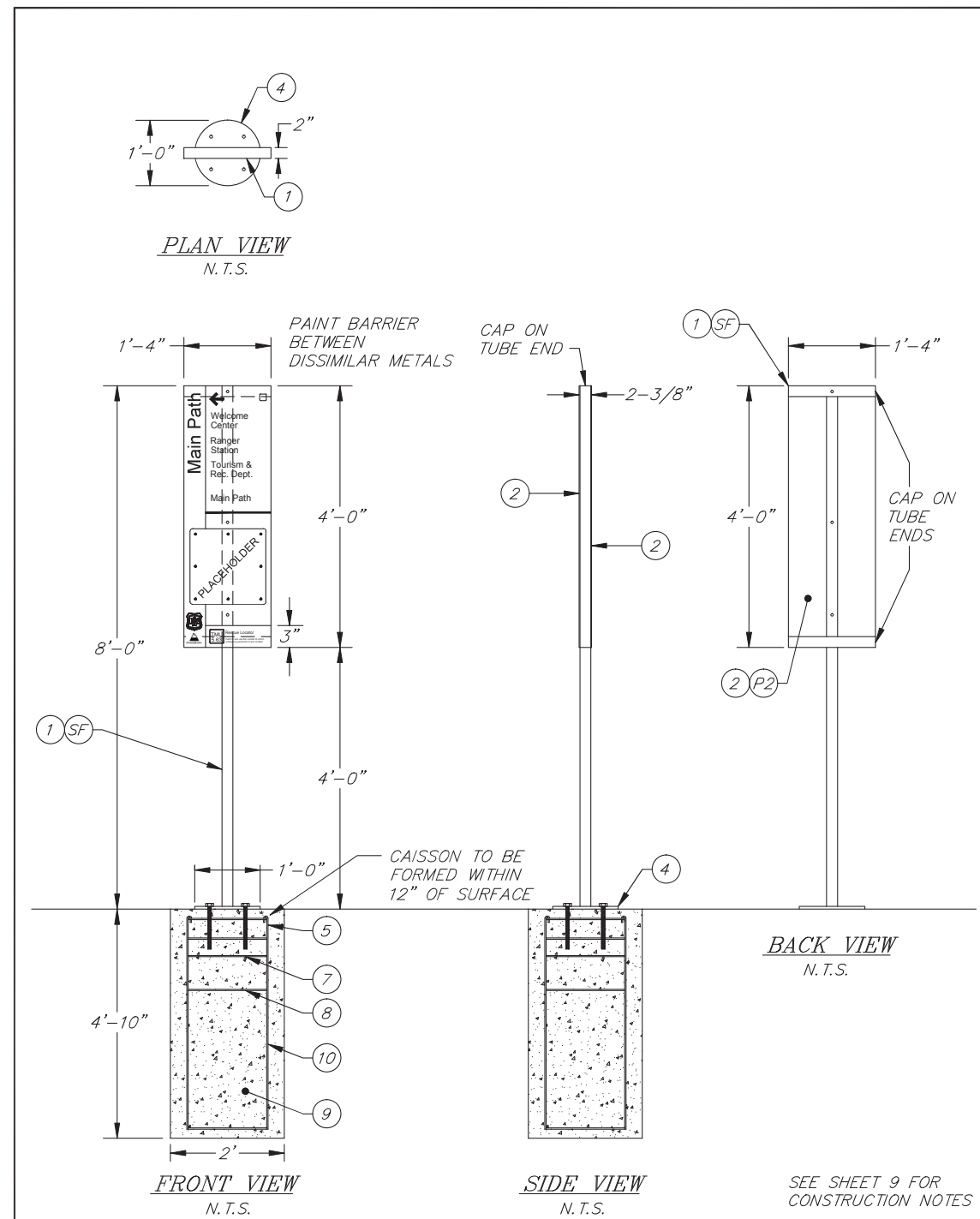
Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS



SIGN TYPE 4/6

PUBLIC WORKS
DIRECTOR APPROVAL: *[Signature]*

DATE: May 7, 2014

STANDARD PLAN

602-1

SHEET 6 of 15



corbindesign



TYPE 4/6

Multi-Use Pathway
Information Guide
Combination Sign

SECTION 600 PAGES 2-3 of 4

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

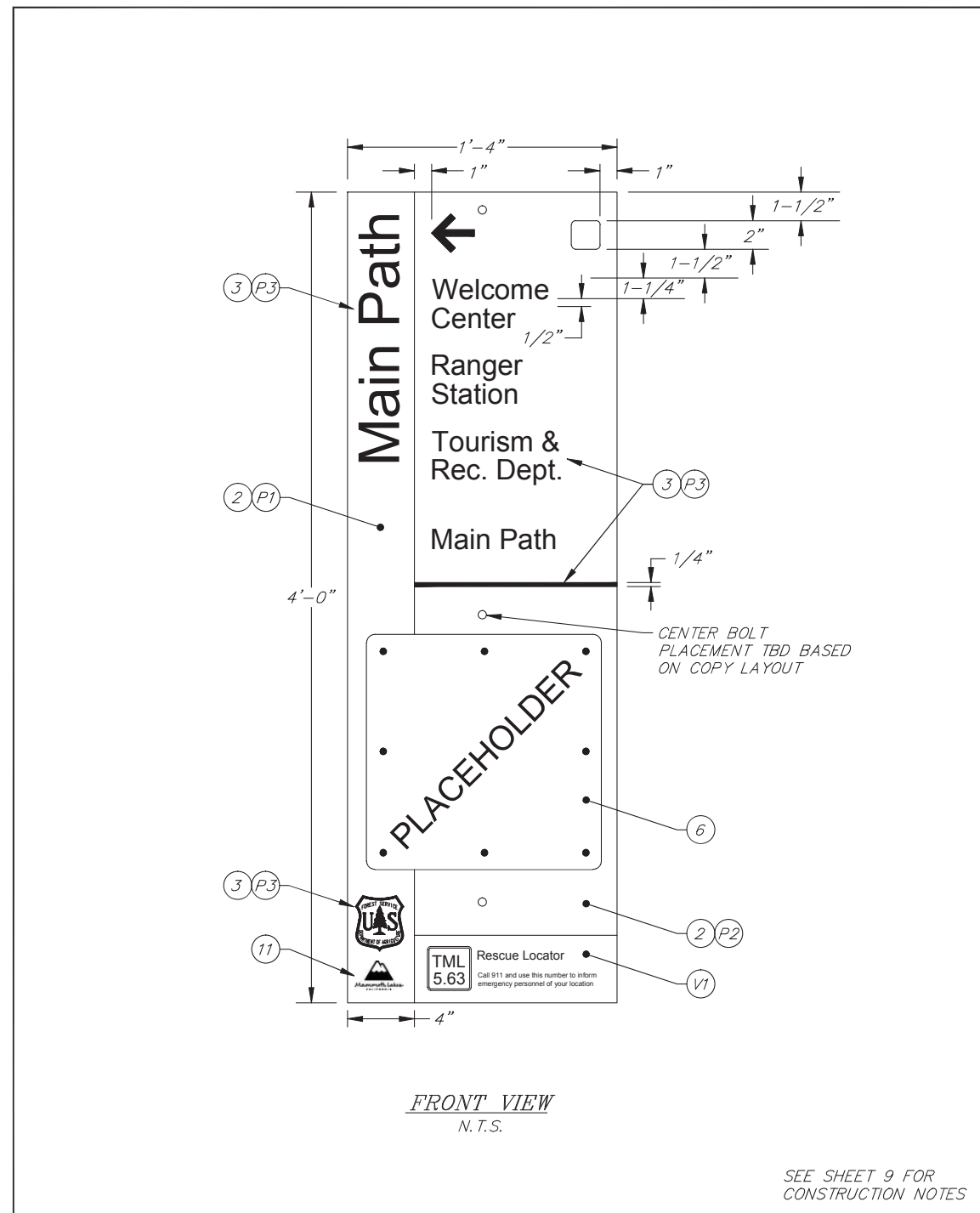
Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS		
	SIGN TYPE 4/6 - EXAMPLE	STANDARD PLAN 602-1 SHEET 8 of 15
PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014		

○ CONSTRUCTION NOTES

1. POST AND FRAME – 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE.
2. SIGN FACE – 3/16" ALUMINUM DRILLED AND TAPPED TO SQ. TUBE WITH 1/4"-20 SS TAMPER PROOF BOLTS PAINTED TO MATCH BACKGROUND. PAINT BARRIER BETWEEN DISSIMILAR METAL.
3. GRAPHIC – PAINTED COPY OVER PAINTED BACKGROUND.
4. SUPPORT PLATE – 1/2" THICK STEEL PLATE WELDED TO BOTTOM OF 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE POST.
5. MOUNTING – 1/2" EPOXIED ANCHORS @ MIN 12" EMBEDMENT IN CONCRETE CAISSON AS REQUIRED.
6. MAP PANEL AND GRAPHICS – 14" X 14" THICK FIBERGLAS WITH IMBEDDED INK-JET GRAPHICS MOUNTED TO FACE WITH SS TAMPER RESISTANT HARDWARE. PAINTED AT 600 DPI USING EXTERIOR UV INHIBITING INKS. BY PANNIER GRAPHICS.
7. #3 TIES @ TOP 5", 3" MIN CLEAR, TYP.
8. REMAINING #3 TIES @ 6" O.C., 3" MIN CLEAR, TYP.
9. CONSOLIDATED CONCRETE, $f_c=3,000$ PSI
10. #6 VERTICAL TIES, 3" MIN CLEAR, TYP.
11. LOGO – RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.

○ COLOR SPECIFICATIONS

P-1 P.T.M. MAP #MPO0857 BROWN W/ (SATIN) CLEAR COAT

P-2 P.T.M. MAP #MPO0811 (MAMMOTH LAKES TRAIL SYSTEM GREEN W/ (SATIN) CLEAR COAT

P-3 P.T.M. MAP #MP11477 WHITE W/ (SATIN) CLEAR COAT

V1 3M 7725-14 BRIGHT ORANGE W/ (SATIN) CLEAR COAT

SF STEEL FINISH = NATURAL FINISH

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS		
	SIGN TYPE 4/6 - NOTES	STANDARD PLAN 602-1 SHEET 9 of 15
PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014		

TYPE 6
Multi-Use Pathway Guide,
Primary

Scale
n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by

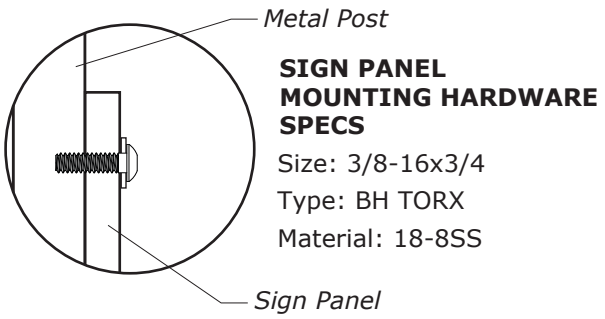


corbindesign



NOTE
Single and double-sided versions.
See sign message schedule for messaging.

FONTS
Century Gothic Bold



DISTANCE INDICATOR
Distance indicator
FONT: Century Gothic Regular

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

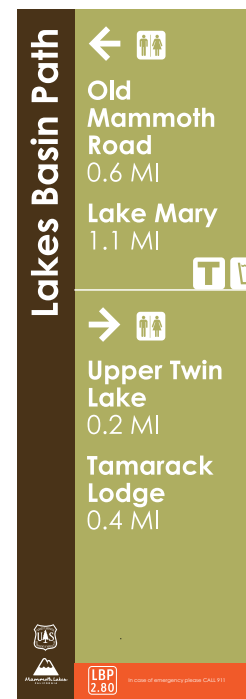
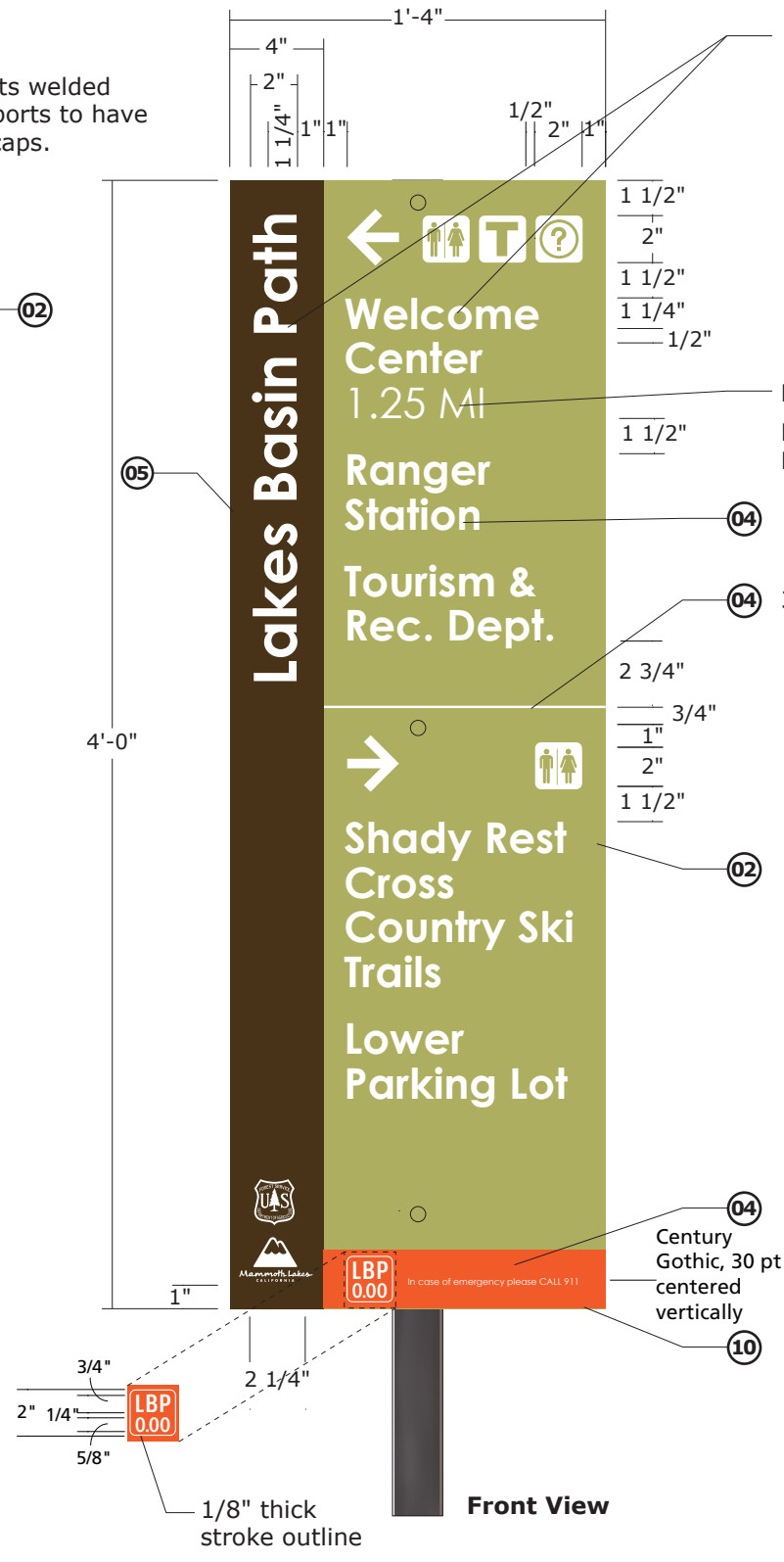
MATERIALS, FINISHES AND GRAPHICS
3/16" (th.) painted aluminum panel. Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

VERTICAL POSTS
2" x 2" structural steel with holes drilled to accept mounting hardware. Welded end cap to close post. Sign panels are bolted to post through sign face.

INSTALLATION
Direct bury posts into concrete footing. Posts are to be free of movement. Provide additional support at the base if required. Vibration analysis and stiffeners at the base of post where necessary.



Panel supports welded to post. Supports to have welded end caps.



6' to grade

TYPE 6

Multi-Use Pathway Guide,
Primary

SECTION 600 PAGES 1-2 of 3

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

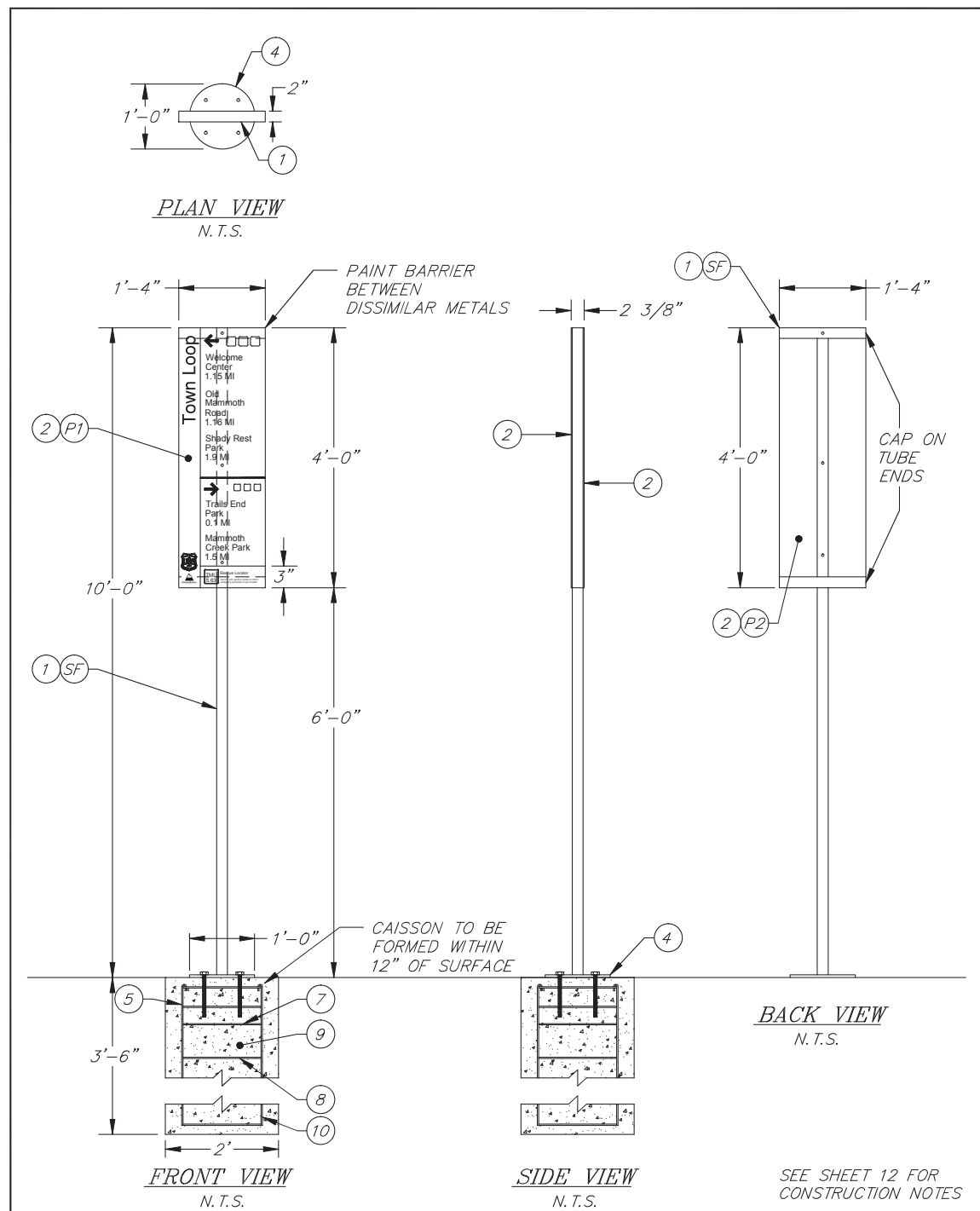
Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign

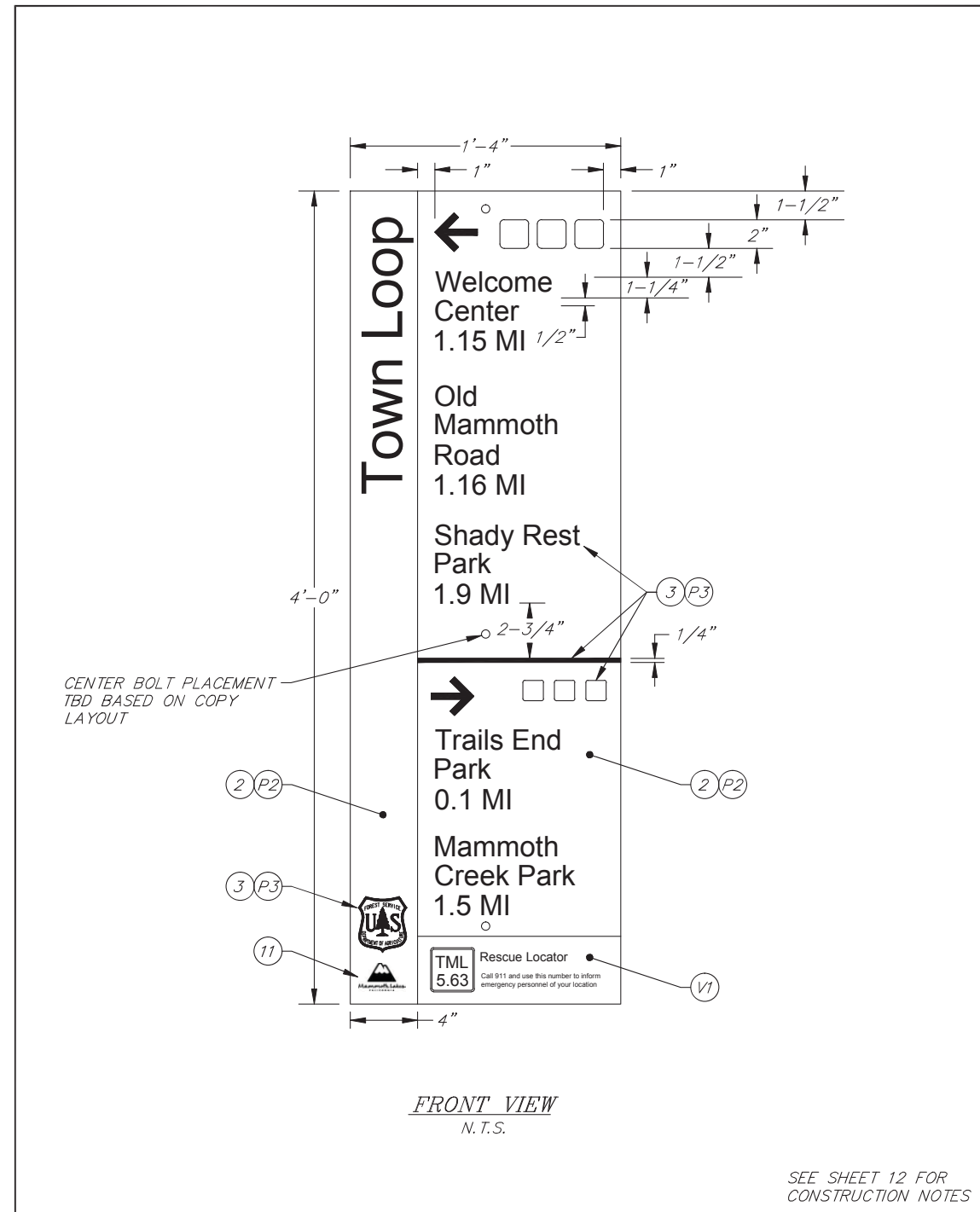


TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

SIGN TYPE 6

STANDARD PLAN 602-1
SHEET 10 of 15

Mammoth Lakes CALIFORNIA
PUBLIC WORKS DIRECTOR APPROVAL: *[Signature]* DATE: May 7, 2014



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

SIGN TYPE 6 - EXAMPLE

STANDARD PLAN 602-1
SHEET 11 of 15

Mammoth Lakes CALIFORNIA
PUBLIC WORKS DIRECTOR APPROVAL: *[Signature]* DATE: May 7, 2014

TYPE 6










Muti-Use Pathway Guide,
Primary

SECTION 600 PAGE 3 of 3

Scale

n.t.s.

Color Code

- 01  Gold
- 02  Mammoth Lakes Trail System
- 04  White
- 05  Brown
- 06  Steel Finish
- 07  Red
- 08  Yellow
- 09  Black
- 10  Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign

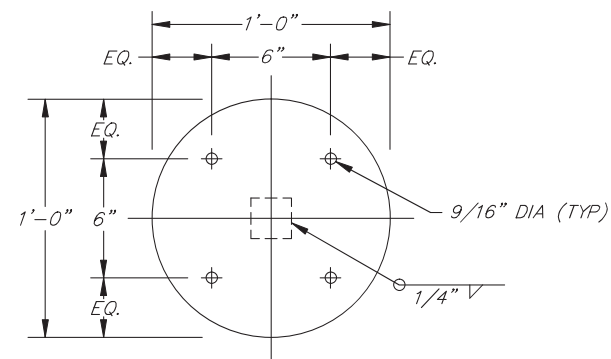


CONSTRUCTION NOTES

1. POST AND FRAME - 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE.
2. SIGN FACE - 3/16" ALUMINUM DRILLED AND TAPPED TO SQ. TUBE WITH 1/4"-20 SS TAMPER PROOF BOLTS PAINTED TO MATCH BACKGROUND. PAINT BARRIER BETWEEN DISSIMILAR METAL
3. GRAPHIC - PAINTED COPY OVER PAINTED BACKGROUND.
4. SUPPORT PLATE - 1/2" THICK STEEL PLATE WELDED TO BOTTOM OF 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE POST.
5. MOUNTING - 1/2" EPOXIED ANCHORS @ MIN 12" EMBEDMENT IN CONCRETE CAISSON AS REQUIRED.
6. MAP PANEL AND GRAPHICS - 14" X 14" THICK FIBERGLAS WITH IMBEDDED INK-JET GRAPHICS MOUNTED TO FACE WITH SS TAMPER RESISTANT HARDWARE. PAINTED AT 600 DPI USING EXTERIOR UV INHIBITING INKS. BY PANNIER GRAPHICS.
7. #3 TIES @ TOP 5", 3" MIN CLEAR, TYP.
8. REMAINING #3 TIES @ 6" O.C., 3" MIN CLEAR, TYP.
9. CONSOLIDATED CONCRETE, $f_c=3,000$ PSI
10. #6 VERTICAL TIES, 3" MIN CLEAR, TYP.
11. LOGO - RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.

COLOR SPECIFICATIONS

- P-1 P.T.M. MAP #MP00857 BROWN W/ (SATIN) CLEAR COAT
- P-2 P.T.M. MAP #MP00811 (MAMMOTH LAKES TRAIL SYSTEM GREEN W/ (SATIN) CLEAR COAT
- P-3 P.T.M. MAP #MP11477 WHITE W/ (SATIN) CLEAR COAT
- V1 3M 7725-14 BRIGHT ORANGE W/ (SATIN) CLEAR COAT
- SF STEEL FINISH = NATURAL FINISH



1/2" STEEL MOUNTING PLATE
N.T.S.

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS



SIGN TYPE 6 - NOTES

PUBLIC WORKS DIRECTOR APPROVAL: 

DATE: May 7, 2014

STANDARD PLAN

602-1

SHEET 12 OF 15

TYPE 6a

Multi-Use Pathway Guide, Secondary

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

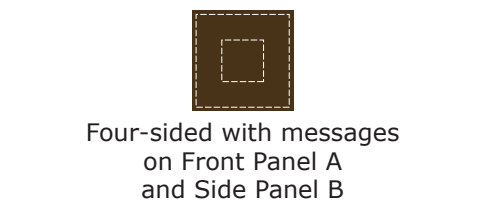
Prepared by



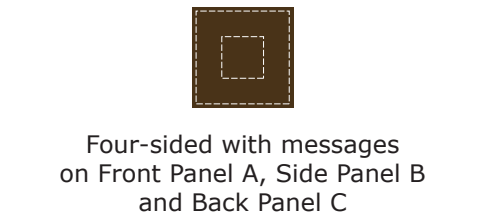
corbindesign



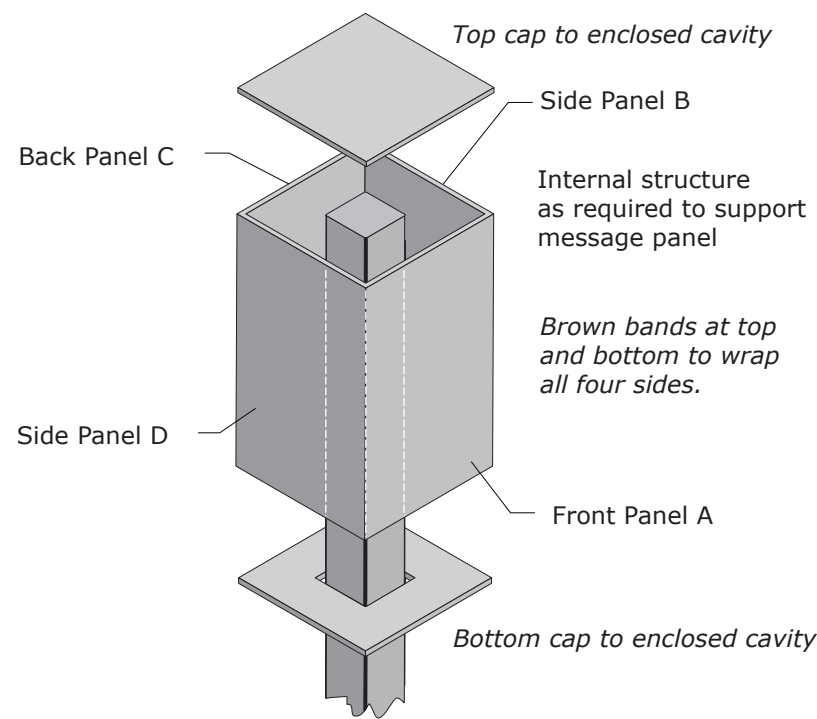
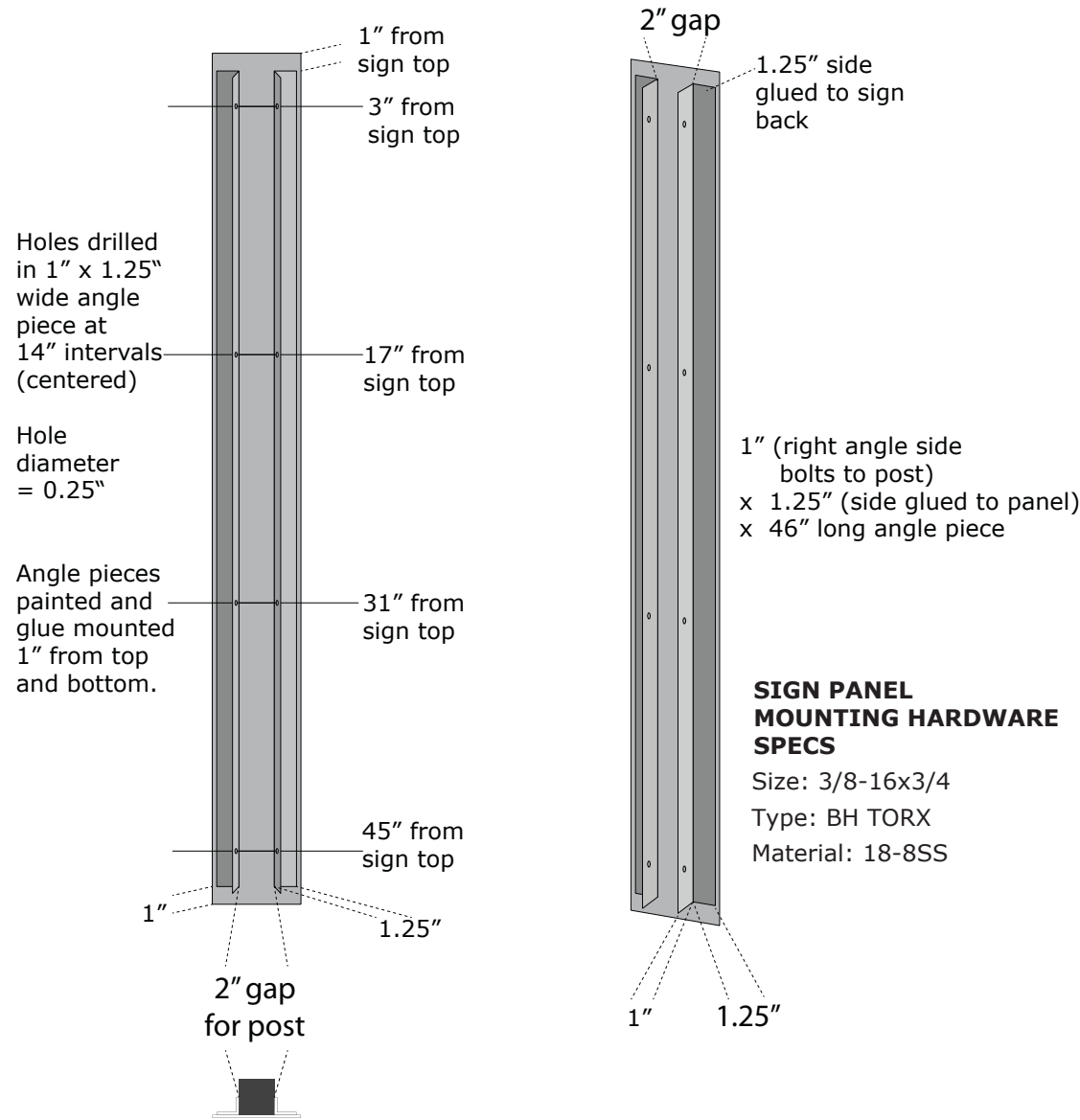
Message Layout A (view from top)



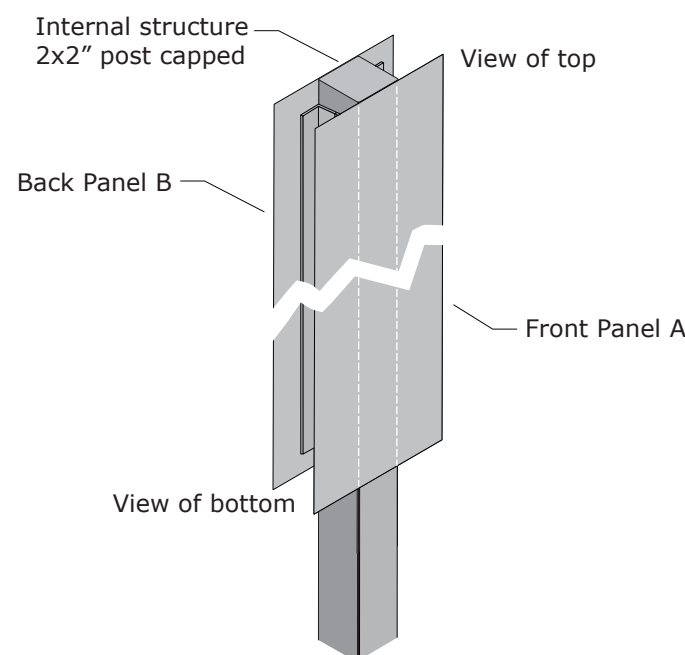
Message Layout B (view from top)



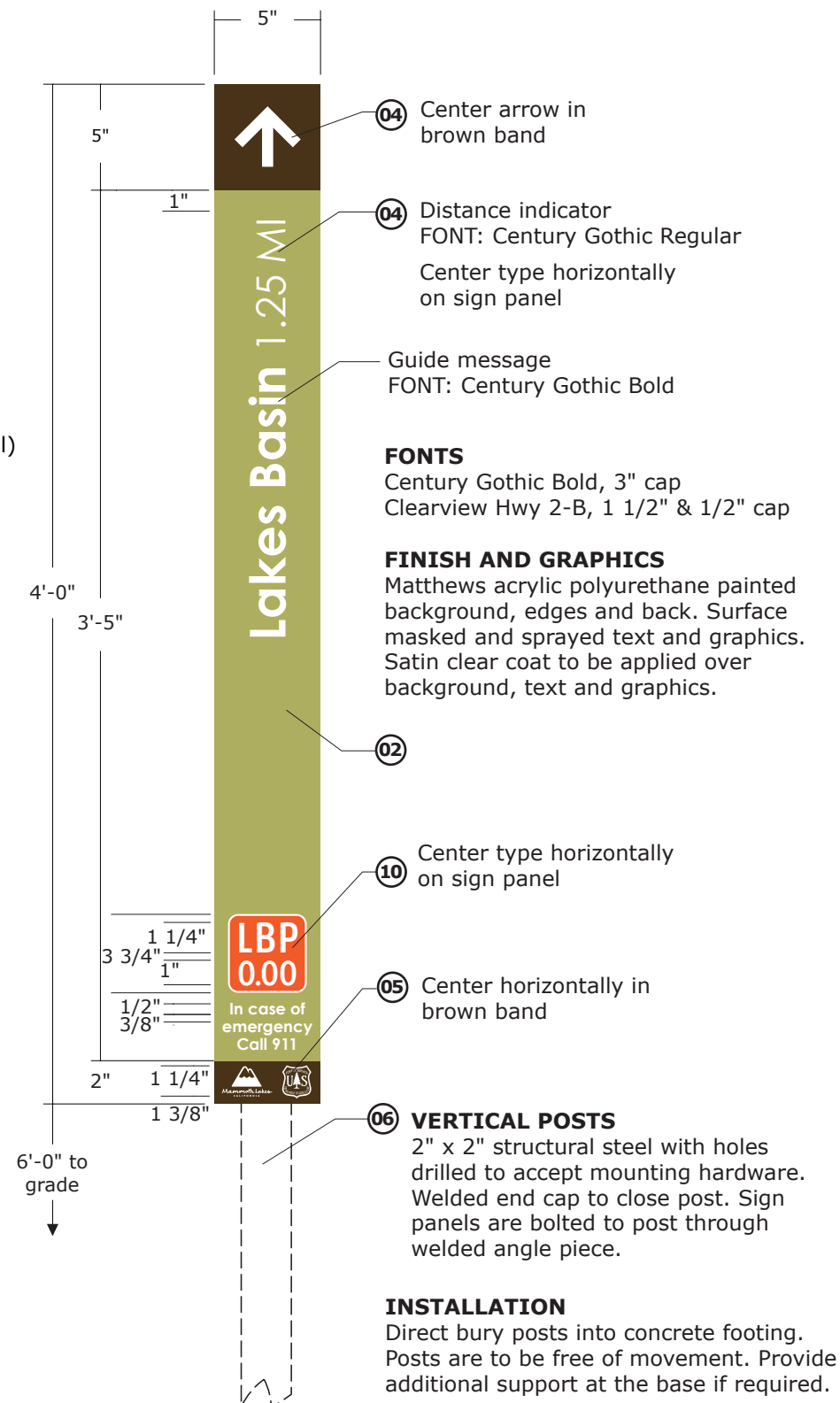
Message Layout C (view from top)



Four-Sided Panel Layout



Two-Sided Panel Layout



NOTE
Multiple message panels. See sign message schedule for number of sign panels and messaging.

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

TYPE 6a

Multi-Use Pathway Guide,
Secondary

SECTION 600 PAGES 1-2 of 2

Scale

n.t.s.

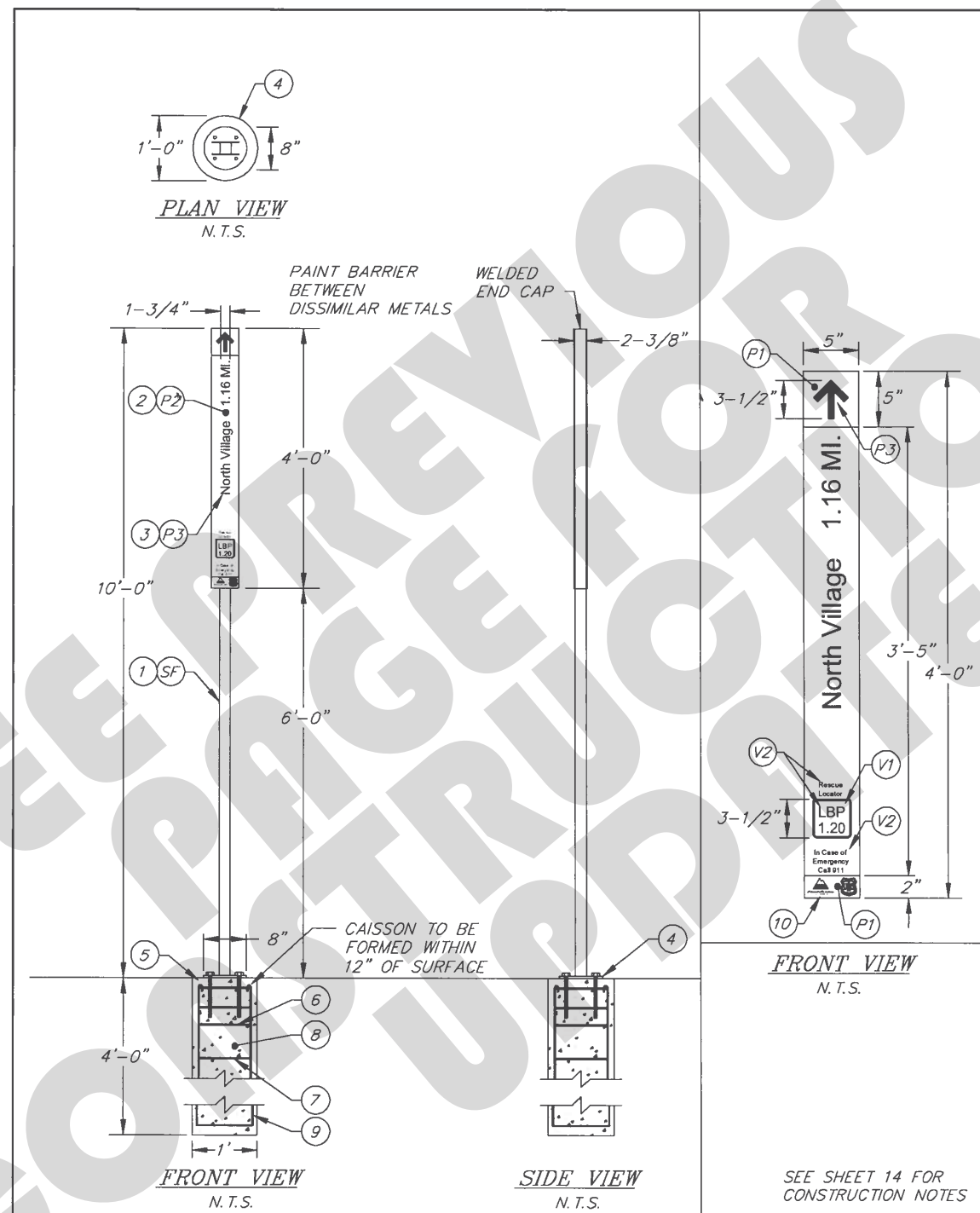
Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

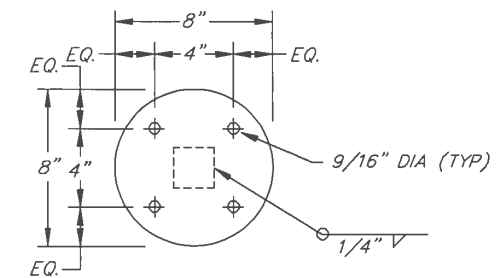
	SIGN TYPE 6A	STANDARD PLAN 602-1 SHEET 13 OF 15
PUBLIC WORKS DIRECTOR APPROVAL: _____ DATE: _____		

CONSTRUCTION NOTES

1. POST - 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE.
2. SIGN FACE - 3/16" ALUMINUM FACES VERSALOK GLUED TO 1"X2"X18" ANGLE. ANGLE TO BE BOLTED TO STEEL SQ. TUBE POST WITH 1/4"-20 SS TAMPER PROOF BOLTS. BOLTS PAINTED TO MATCH BACKGROUND. PAINT BARRIER BETWEEN DISSIMILAR METAL.
3. GRAPHIC - PAINTED COPY OVER PAINTED BACKGROUND. MATTHEWS ACRYLIC POLY URATHANE PAINTED BACKGROUND, EDGES AND BACK. SURFACE MASKED AND SPRAYED TEXT AND GRAPHICS. SATIN CLEAR COAT TO BE APPLIED OVER BACKGROUND, TEXT AND GRAPHICS.
4. SUPPORT PLATE - 1/2" THICK STEEL PLATE WELDED TO BOTTOM OF 2" X 2" X 3/16" CORTEN STEEL SQ. TUBE POST.
5. MOUNTING - 1/2" EPOXIED ANCHORS @ MIN 12" EMBEDMENT IN CONCRETE CAISSON AS REQUIRED.
6. #3 TIES @ TOP 5", 3" MIN CLEAR, TYP.
7. REMAINING #3 TIES @ 6" O.C., 3" MIN CLEAR, TYP.
8. CONSOLIDATED CONCRETE, $f_c=3,000$ PSI
9. #6 VERTICAL TIES, 3" MIN CLEAR, TYP.
10. LOGO - RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.

COLOR SPECIFICATIONS

- P-1 P.T.M. MAP #MP00857 BROWN W/ (SATIN) CLEAR COAT
- P-2 P.T.M. MAP #MP00811 (MAMMOTH LAKES TRAIL SYSTEM GREEN W/ (SATIN) CLEAR COAT
- P-3 P.T.M. MAP #MP11477 WHITE W/ (SATIN) CLEAR COAT
- V1 3M 7725-14 BRIGHT ORANGE W/ (SATIN) CLEAR COAT
- V2 3M 7125-10 WHITE W/ (SATIN) CLEAR COAT
- SF STEEL FINISH = NATURAL FINISH



**1/2" STEEL
MOUNTING PLATE**
N.T.S.

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	SIGN TYPE 6A - NOTES	STANDARD PLAN 602-1 SHEET 14 OF 15
PUBLIC WORKS DIRECTOR APPROVAL: _____ DATE: _____		



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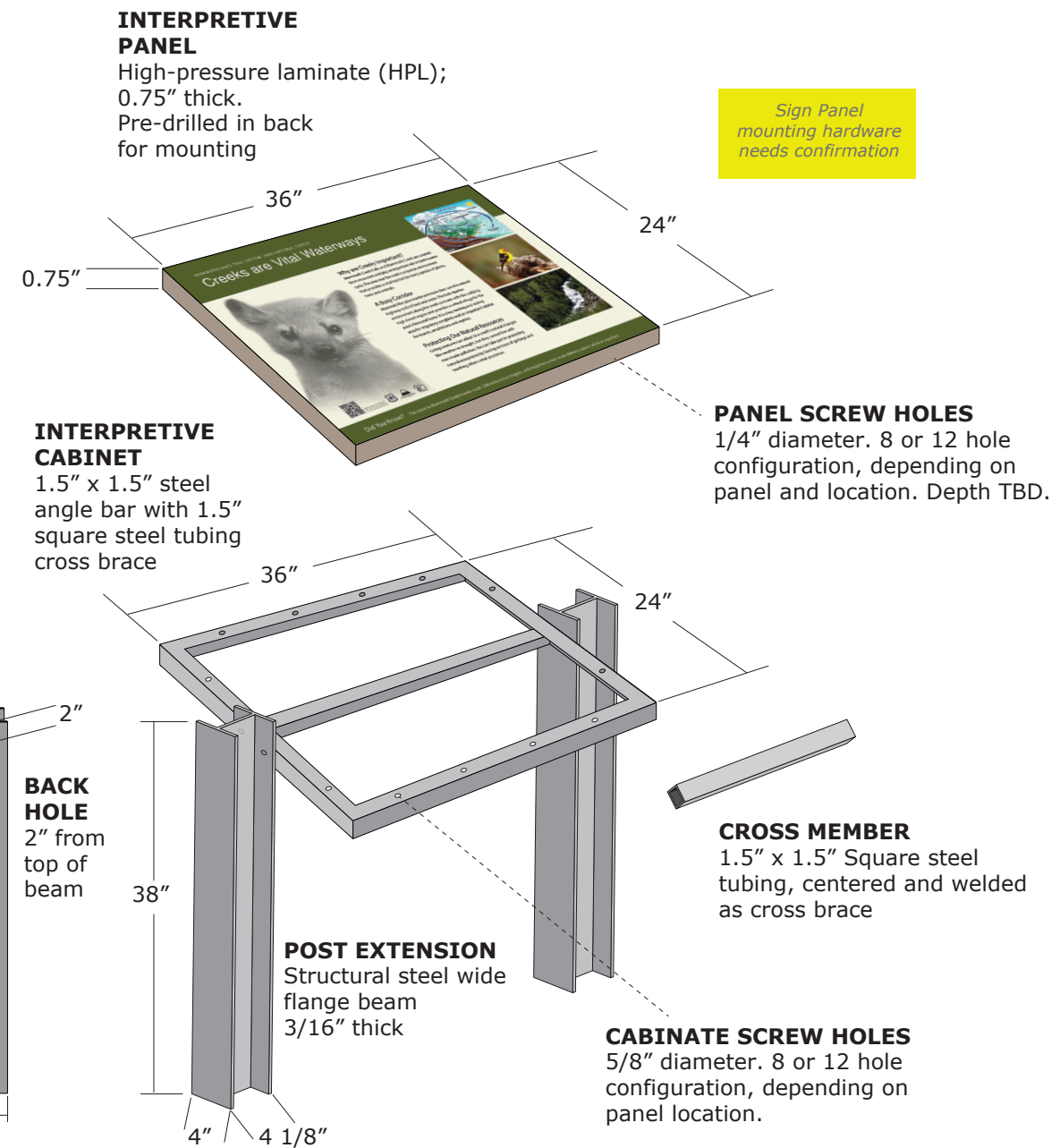


INTERPRETIVE SIGNAGE



PANEL CONTENT DEVELOPED BY THE USFS. PANEL MASTER FILES AND DESIGN EXECUTED BY FALLON MULTIMEDIA (SHELLY FALLON & BOBBI COULTER) RENO, NV

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.



Sheet Description

TYPE 7
Interpretive (front & exploded view)

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign



Sheet Description

TYPE 7

Interpretive

Mounting Screw Placement

Scale

n.t.s.
For visual reference only
VERIFIED BY MLTPA - 2023

Color Code

- 01  Gold
- 02  Mammoth Lakes Trail System
- 04  White
- 05  Brown
- 06  Steel Finish
- 07  Red
- 08  Yellow
- 09  Black
- 10  Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

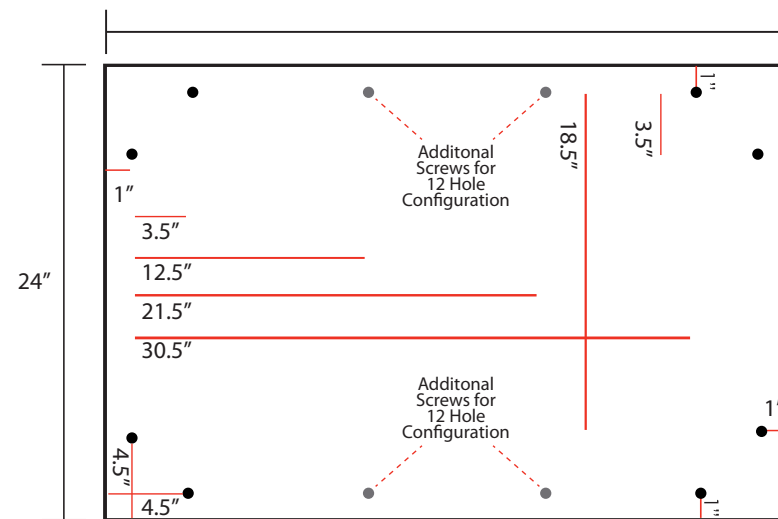
Prepared by



corbindesign



BACK



**SIGN TYPE 7
INTERPRETIVE PANEL SCREW PATTERN SPECIFICATIONS:**

Interpretive Panel: 24" x 36"

8 HOLE CONFIGURATION: Most sign locations use 8 screws(2 in each corner)

12 HOLE CONFIGURATION: Sign locations exposed to high wind or snowload use 12 screws

Horizontal Screw Pattern Spacing (top and bottom of panel): 2 or 4 screws

Vertical Screw Pattern Spacing (left and right of panel): 2 screws

Horizontal screws holes are set in 1" from edge of panel

Vertical screw holes are set in 1" from edge of panel

Screw holes do not go through to front of panel

TYPE 7

Interpretive

SECTION 600 PAGES 1-2 of 2

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

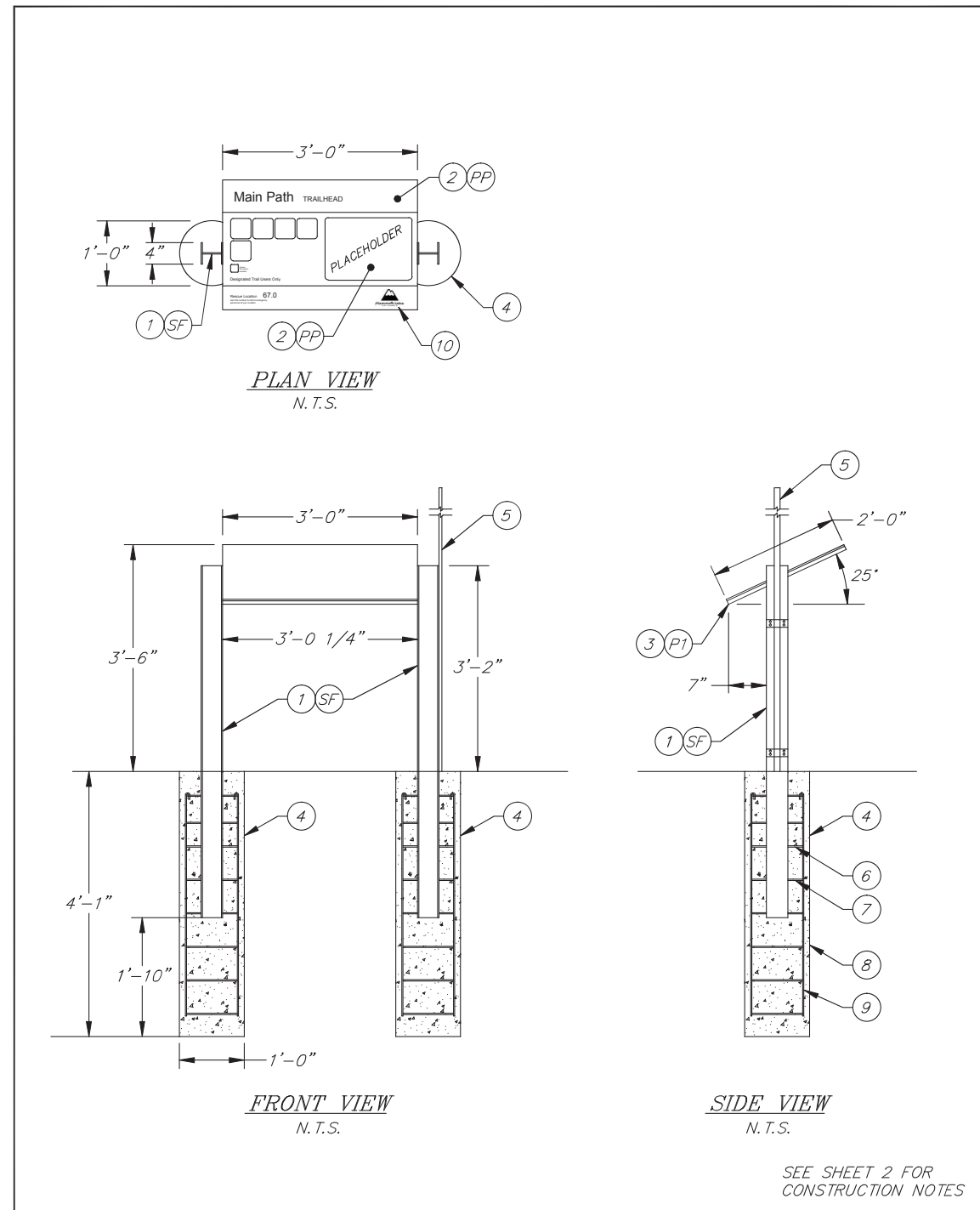
Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign



CONSTRUCTION NOTES

1. STRUCTURE - W-4" X 13 LDS CORTEN STEEL I-BEAM.
2. FACE - 3/4" THICK PHENOLIC GRAPHIC PANEL WITH THREADED INSERTS TO FASTEN ALUMINUM FRAME.
3. FRAME - 1-1/2" X 1-1/2" X 1/4" CORTEN STEEL ANGLE FRAME BACKED BY 1-1/2" X 1-1/2" X 1/4" CORTEN STEEL SQ TUBE.
4. MOUNTING - DIRECT BURY IN CONCRETE CAISSON.
5. SNOW POLE - 144" LONG SNOW POLE MOUNTED TO THE SIDE CLOSEST TO THE ROAD.
6. #3 TIES @ TOP 5", 3" MIN CLEAR, TYP.
7. REMAINING #3 TIES @ 6" O.C., 3" MIN CLEAR, TYP.
8. CONSOLIDATED CONCRETE, $f_c=3,000$ PSI
9. #6 VERTICAL TIES, 3" MIN CLEAR, TYP.
10. LOGO - RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.

COLOR SPECIFICATIONS

- P-1 P.T.M. MAP #MP00857 BROWN W/ (SATIN) CLEAR COAT
- PP PHENOLIC PANEL
- SF STEEL FINISH = NATURAL FINISH

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS		
	SIGN TYPE 7	STANDARD PLAN 604-1
PUBLIC WORKS DIRECTOR APPROVAL:	DATE: May 7, 2014	SHEET 1 OF 2

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS		
	SIGN TYPE 7 - NOTES	STANDARD PLAN 604-1
PUBLIC WORKS DIRECTOR APPROVAL:	DATE: May 7, 2014	SHEET 2 OF 2

Sheet Description

TYPE 8a

Regulatory

4-9" For Posts

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

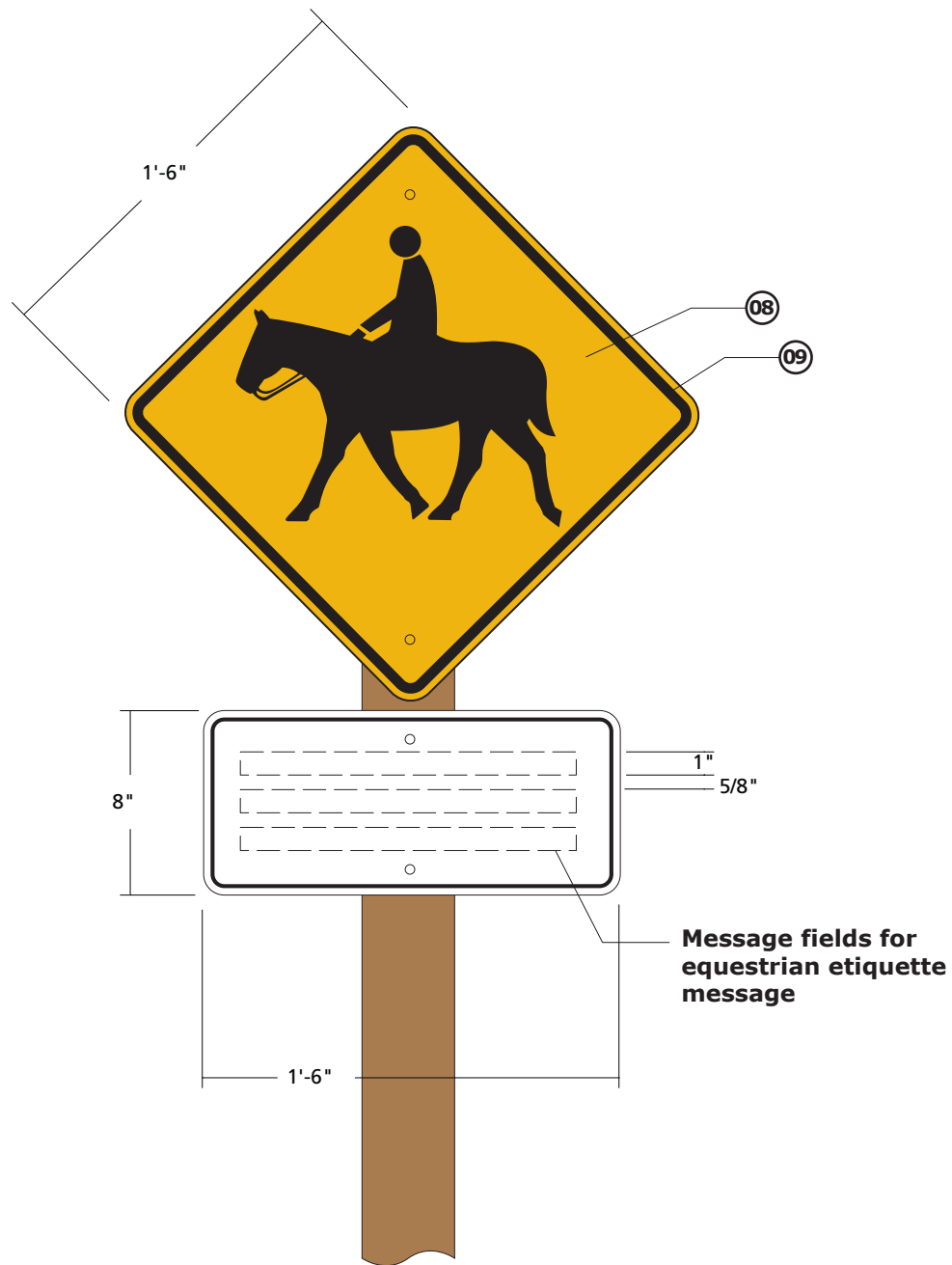
Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

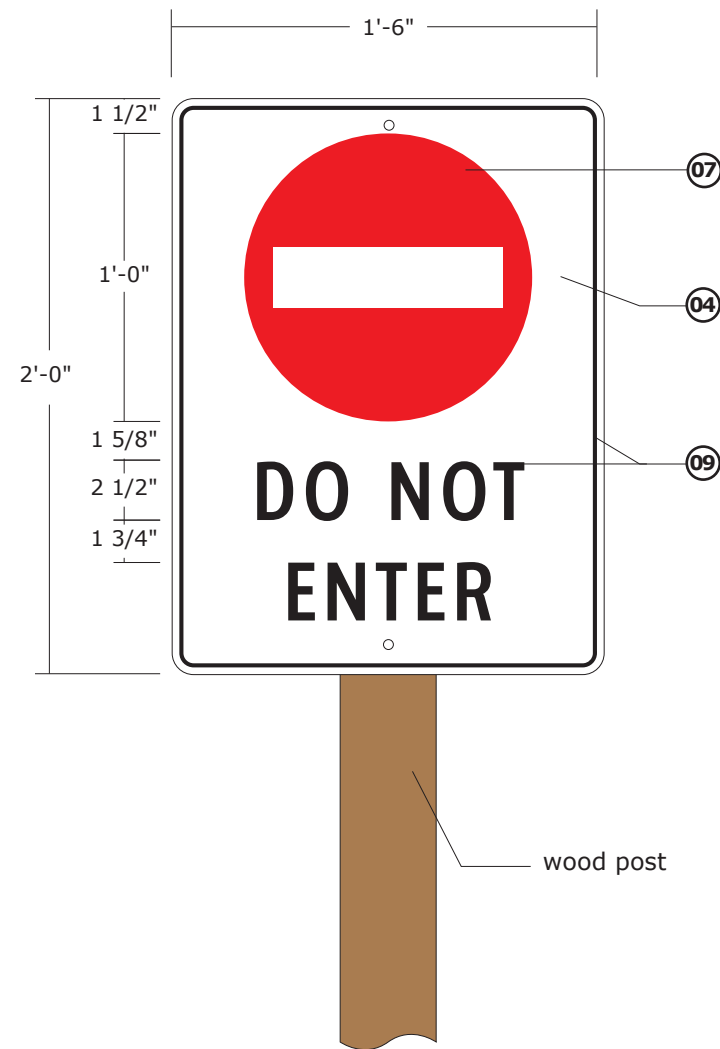
Prepared by



corbindesign



ALTERNATE Regulatory Panel Arrangement



Regulatory Panel

Sign Panel mounting hardware needs confirmation

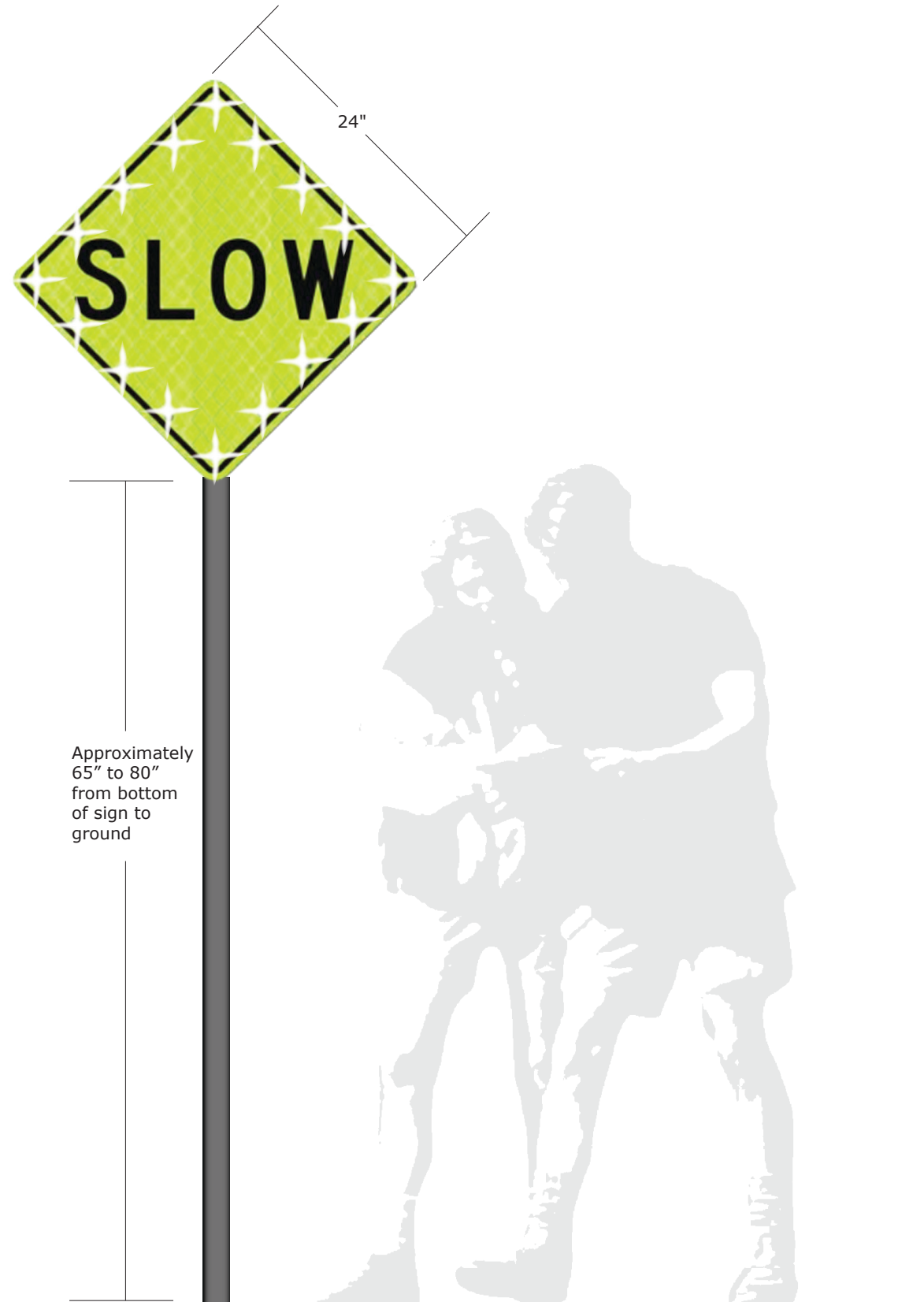
FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

FONTS
Clearview Hwy 2-B

FINISH AND GRAPHICS
Standard Regulatory construction. Engineer grade reflective background with high performance grade opaque vinyl graphics

VERTICAL POSTS
6" x 6" wood post with holes drilled to accept mounting hardware. Sign panels are bolted to post through sign face.

INSTALLATION
Direct bury posts into concrete footing.



**FLASHING SLOW SIGN
(SOLAR)**

FLASHING SIGNS PURCHASED
PRE-MADE FROM
FROM MANUFACTURER,
PREFERABLY WITH SOLAR OPTION

**FLASHING SIGNS
VERTICAL POSTS**

2.5" diameter steel post drilled to accept mounting hardware
Sign panels are affixed to post using Manufacturer's recommendations. Manufacturer provides hardware whenever possible.

**FLASHING SIGNS
INSTALLATION**

Direct bury posts into concrete footing.

PRODUCT INFORMATION

Manufacturer: LED Lighting Solutions, Temecula CA.
Product is a 12V 24" Flashing LED "SLOW" Sign - Diamond Shaped, Diamond Grade Fluorescent Yellow-Green Reflective Sheeting with Black Trim - Amber (Yellow) LEDs - Requires 12V Junction Box (Solar or AC).

Hardware for LED Flashing Traffic Signs - Kit includes 2) Fully notched Metal Band Brackets and 2 Sign Bracket Sliders

Sheet Description

TYPE 8b

Regulatory
Flashing Slow Sign

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign



TYPE 8b

Regulatory
4-9" For Posts

SECTION 600 PAGES 1-2 of 4

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description


01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by




corbindesign







BIKE PATH
MUTCD W11-1
8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)




TRAIL X-ING
MUTCD W11-15
8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)




EQUESTRIAN
MUTCD W11-7
8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)



AHEAD
MUTCD R3-17aP
4" x 8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)






SLOW
4" x 8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)




SCENIC OVERLOOK
SLOW
6" x 8"
LEGEND: BLACK
ARROW: WHITE
BACKGROUND: PANTONE BLUE ____ (REFLECTIVE)

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS


	<h2>TYPE 8 SIGNS</h2>	STANDARD PLAN 603-1 SHEET 1 OF 4
PUBLIC WORKS DIRECTOR APPROVAL: 	DATE: May 7, 2014	




SPEED LIMIT
MUTCD W13-1
6" x 6"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)




STOP SIGN
MUTCD R1-1
9"
LEGEND: WHITE REFLECTIVE
BACKGROUND: PANTONE RED 187 (REFLECTIVE)



STEEP DOWNHILL GRADE
MUTCD W7-5
8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)


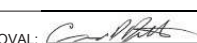


"YIELD TO" SIGN
SEE SECTION 607-1



YIELD SIGN
8"
LEGEND: BLACK
BACKGROUND: PANTONE YELLOW 116 (REFLECTIVE)

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	<h2>TYPE 8 SIGNS</h2>	STANDARD PLAN 603-1 SHEET 2 OF 4
PUBLIC WORKS DIRECTOR APPROVAL: 	DATE: May 7, 2014	

TYPE 8

Regulatory
4-9" For Posts

SECTION 600 PAGES 2-3 of 4

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



corbindesign





MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**



MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**



MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**



MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
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DATE: **May 7, 2014**

PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**



MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
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DATE: **May 7, 2014**

PUBLIC WORKS
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DATE: **May 7, 2014**



MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

TYPE 8 SIGNS

STANDARD PLAN
603-1

SHEET 3 OF 4

PUBLIC WORKS
DIRECTOR APPROVAL: 

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PUBLIC WORKS
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MAMMOTH LAKES CALIFORNIA

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

**SIGN TYPE 8
TYPICAL POST**

STANDARD PLAN
603-1

SHEET 4 OF 4

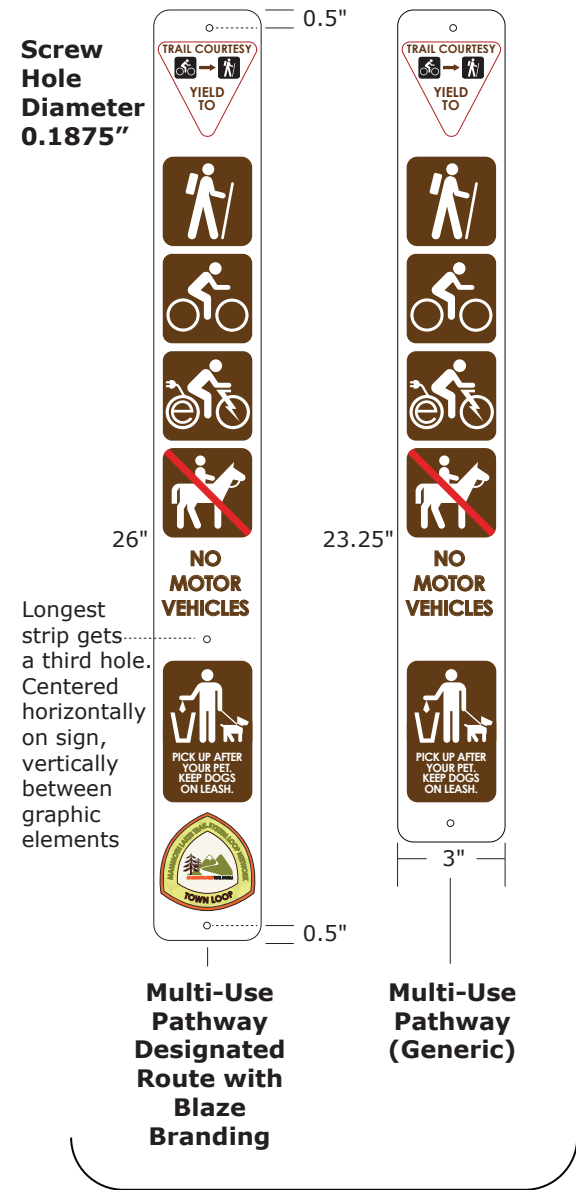
PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**

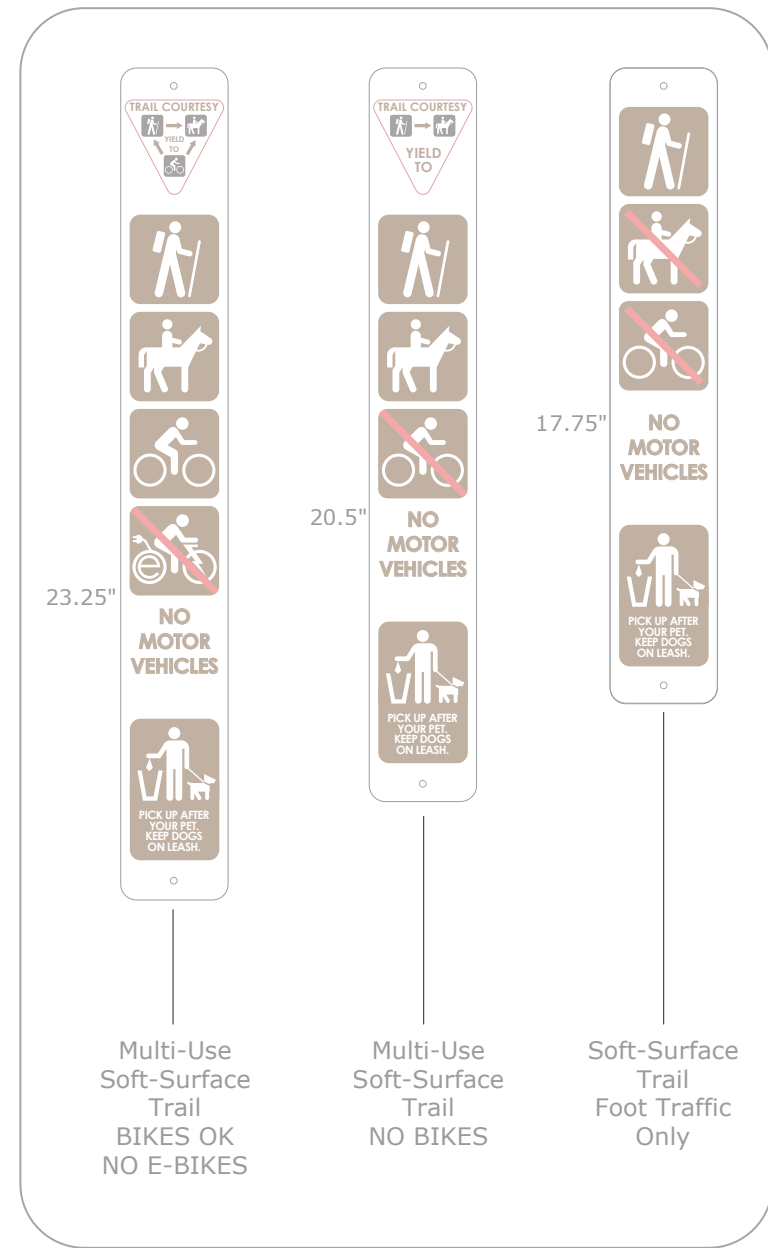
PUBLIC WORKS
DIRECTOR APPROVAL: 

DATE: **May 7, 2014**

REGULATORY STRIP ARRAY



For Hard-Surface Pathways



(For Soft-Surface Trails)

THE MLTS
REGULATORY STRIP PROGRAM
IS USED ACROSS BOTH
MULTI-USE PATHWAYS
AND
SOFT-SURFACE TRAILS

MASTER GRAPHIC FILES
MAINTAINED BY MLTPA

FONTS
Century Gothic

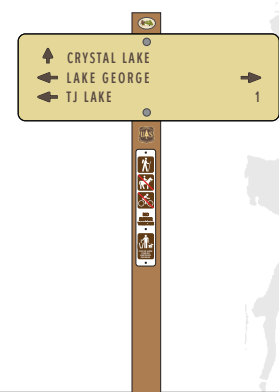
FINISH AND GRAPHICS
0.080" aluminum with print decals.
Hole diameter 0.1875" (3/16")

VERTICAL POSTS
Bollards.
Type 4, 4/6, 6 metal posts.
Type 9A (trail) wooden 4x4" posts.

INSTALLATION
Directly screw into wooden posts and bollards. Use zip ties for metal posts.

HARDWARE
Tamper Resistant Screw: #8-32
Thread Size, 1/2 in Lg, Steel.

*Sign Panel
mounting hardware
needs confirmation*



**On Type 9A Wooden Post
(On Soft-Surface Trails)**



**On Bollard
(On Pathways)**



**On Type 4/6 Metal Post
(On Pathways & Soft Surface Trails)**

Sheet Description

TYPE 8c
Regulatory
Regulatory Strip Program

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



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TEMPORARY MITIGATION & ETIQUETTE COROPLAST PANEL



24" x 36" Coroplast panel

DEVELOPED SIGN ARRAY



SAFETY

LAKES BASIN ARRAY



ETIQUETTE

A-FRAMES FONTS

A-Frames use Century Gothic. Exceptions can be made where information from external parties is being shared for public safety.

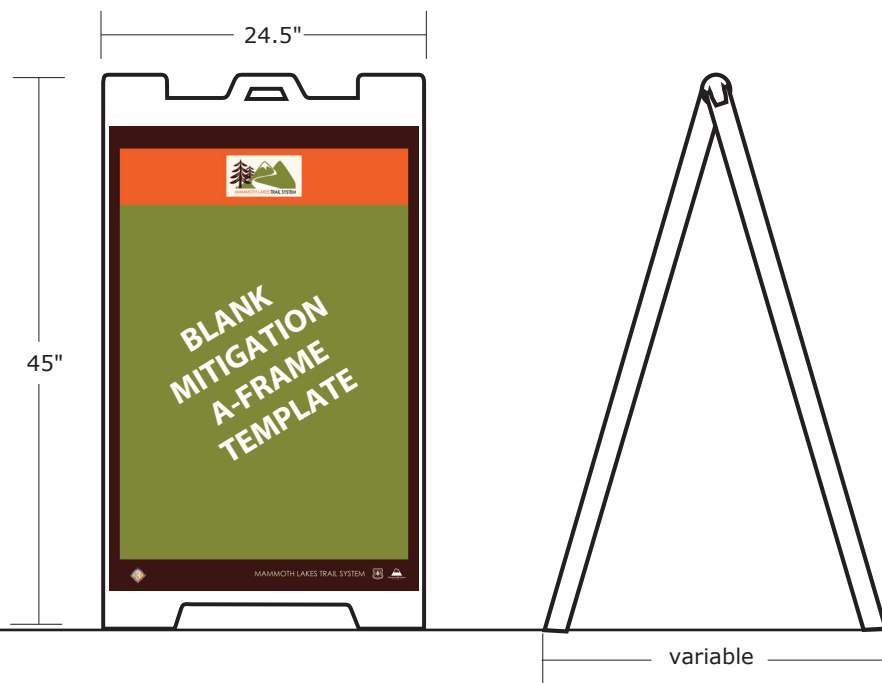
A-FRAME FINISH AND GRAPHICS

A-Frame graphic files are provided to printer as vector PDFs. Manufacturer prints using exterior grade ink on 1/4" Coroplast.

A-FRAME INSTALLATION

Graphic panels are attached to standard A-Frame sandwich boards using heavy-duty velcro. A 2" x 2" square is placed on each corner. Fuzz side is always on A-Frame. This standard placement simplifies swapping out panels.

A-Frames are placed in the field where necessary and may be secured to existing infrastructure using wire or zip ties when deemed necessary. They may also be filled with water.



TEMPORARY A-FRAME

Sheet Description

TYPE 10

Temporary Mitigation & Etiquette A-frames

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

ITERATIVE TEMPLATE

The array represented here is incomplete as the mitigation template is intended to be responsive and quickly editable to meet immediate and ongoing trail system needs.

Date Description

Date	Description
01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
08.26.11	ARRA contract Phase 3
06.30.24	MLTPA Update

Prepared by



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TYPE 11

Poo Fairy Station Program

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
03.25.11	ARRA contract Phase 1
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06.30.24	MLTPA Update

Prepared by



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04 Century Gothic Bold, Italic 72 pt

09 Font outlined in master file

02

05

04 Century Gothic Bold, 59 pt

04 Dorchester Script MT 87.5 pt

10 Kindly respect our environment

THERE IS NO POO FAIRY

PICK UP AFTER YOUR PET & RETURN TO A WASTE BASKET.

KEEP DOGS ON LEASH.

Thank you!

MLTPA & 12.210 & 12.20.340

MASTER GRAPHIC FILE MAINTAINED BY MLTPA. STATIONS AND BAGS SOURCED BY TOML.

FONTS
 Century Gothic Bold
 Century Gothic Bold, Italic
 Dorchester Script MT

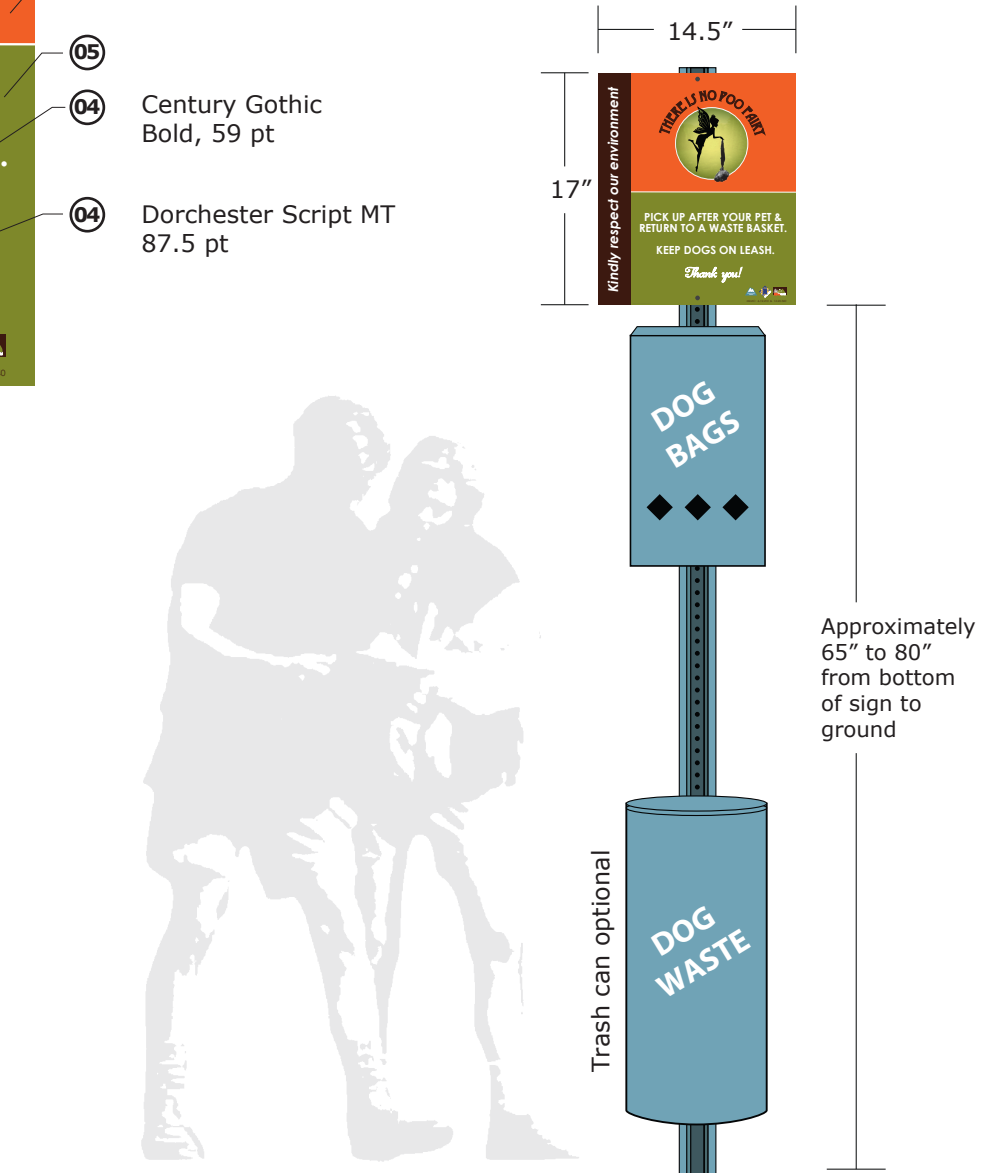
FINISH AND GRAPHICS
 Standard Regulatory construction.
 High performance grade opaque vinyl graphics

VERTICAL POSTS
 Attach sign and station to dedicated snow-stake. Sign and station may also be attached to existing infrastructure (pre-existing post, snow-stake, etc.). A dedicated post buried directly into concrete footing may also be used. Dog bag dispenser required. Trash can optional.

INSTALLATION
 Sign is attached directly to snow-stakes or posts using appropriate hardware through pre-drilled hole at top and bottom of sign.

SIGN HARWARE
 Tamper Resistant Screw: #8-32 Thread Size, 1/2 in Lg, Steel.

Sign Panel mounting hardware needs confirmation



Adopt-A-Trail

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Date Description

01.30.09	Submitted
02.25.10	Revised
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06.30.24	MLTPA Update

Date Description

--	--



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FONTS
Clearview HWY 2-B

"SPONSOR" & "VOLUNTEER"
INFORMATION ADDED BY MLR
VIA CLEAR REPLACEABLE STICKER

MASTER GRAPHIC FILES
MAINTAINED BY MLTPA &
MAMMOTH LAKES RECREATION

MATERIALS, FINISHES AND GRAPHICS
Specs for sign materials and manufacturing
available from Mammoth Lakes Recreation.

VERTICAL POSTS
4" X 4" X 8' treated lumber posts.

INSTALLATION
Place post approximately 1' from pathway tread,
determined by situation.

Direct bury posts into ground. Sink posts 3' into
ground, determined by situation.

Mount sign with top edge 1" from top of post.

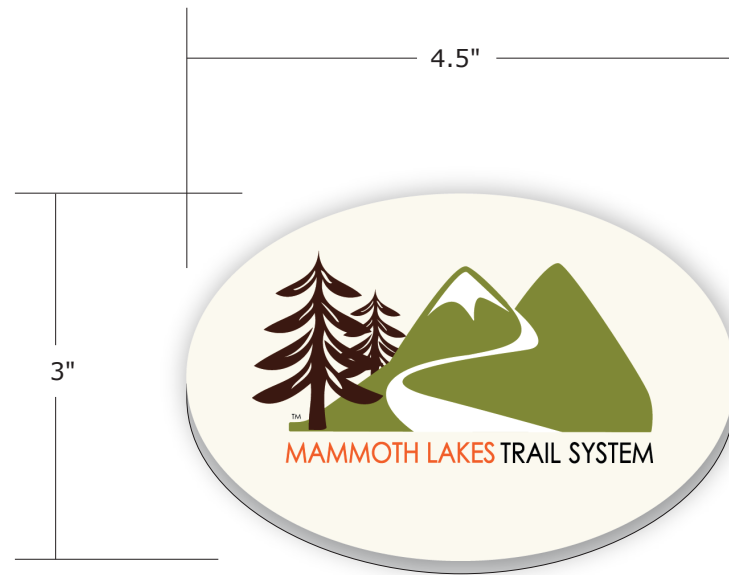
Sign hardware = 5/16" x 5" galvanized
carriage bolt, washer, nut.

*Sign Panel
mounting hardware
needs confirmation*

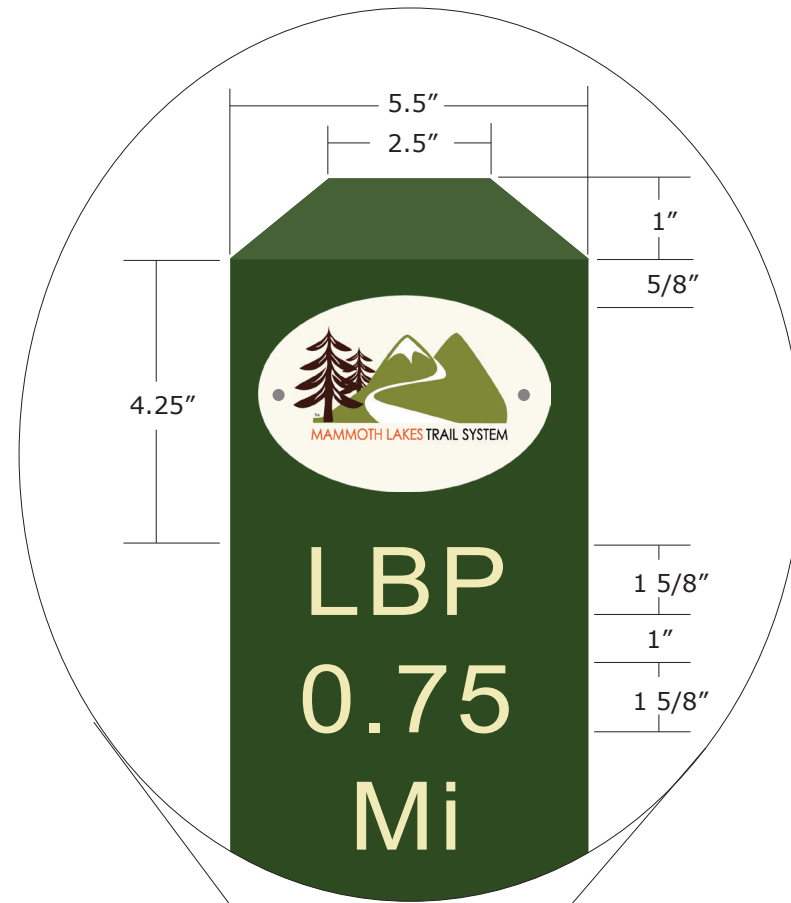
Trail counter installation on post optional.

**OPTIONAL
TRAIL COUNTER**
Trail Counters are
installed on some
signs across the
MLTS but are
maintained separately
from the signage
system.





1/8" thick plexiglas Logo
glued or drilled in to
3/8" deep routed footprint



FONTS

TBD
Center type horizontally
Text routed and painted

POST BRAND (LARGE OVAL)

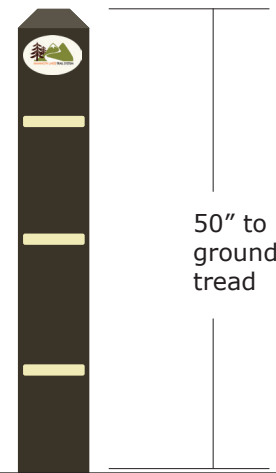
1/8" inlayed logo on poly with
pre-drilled holes, screws included
CNC custom size.
Logo glued or drilled
into 3/8" deep routed footprint.
(Hardware from manufacturer
Hole 3/32")

VERTICAL POSTS (BOLLARDS & MILE POSTS)

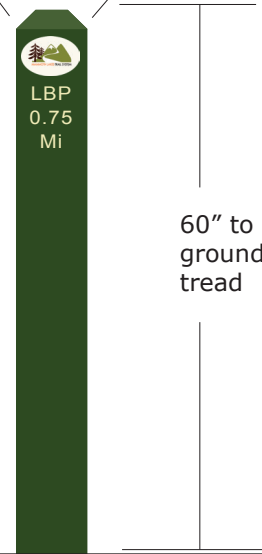
5.5" x 5.5" square carsonite bollard
with (45 degree) bevel on top end.
4-6 feet high.

INSTALLATION

Direct bury posts into concrete footing
on side of pathway or install in metal
sleeves in center of pathway at intersections.



**BOLLARD
WITH REFLECTORS**



MILE POST

NOTE
Brand Ovals with screw holes
manufactured in 2012 by
Max-R in Sussex, Wisconsin

NOTE
Wooden bollards of various heights
have been decommissioned and replaced with
carsonite standard represented here.

Sheet Description

**BOLLARD &
MILE POSTS**

Scale

n.t.s.
For visual reference only

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

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Prepared by



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MILEPOST

SECTION 600 PAGE 1 of 1

Scale

n.t.s.

Color Code

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- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
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- 08 Yellow
- 09 Black
- 10 Orange

Date Description

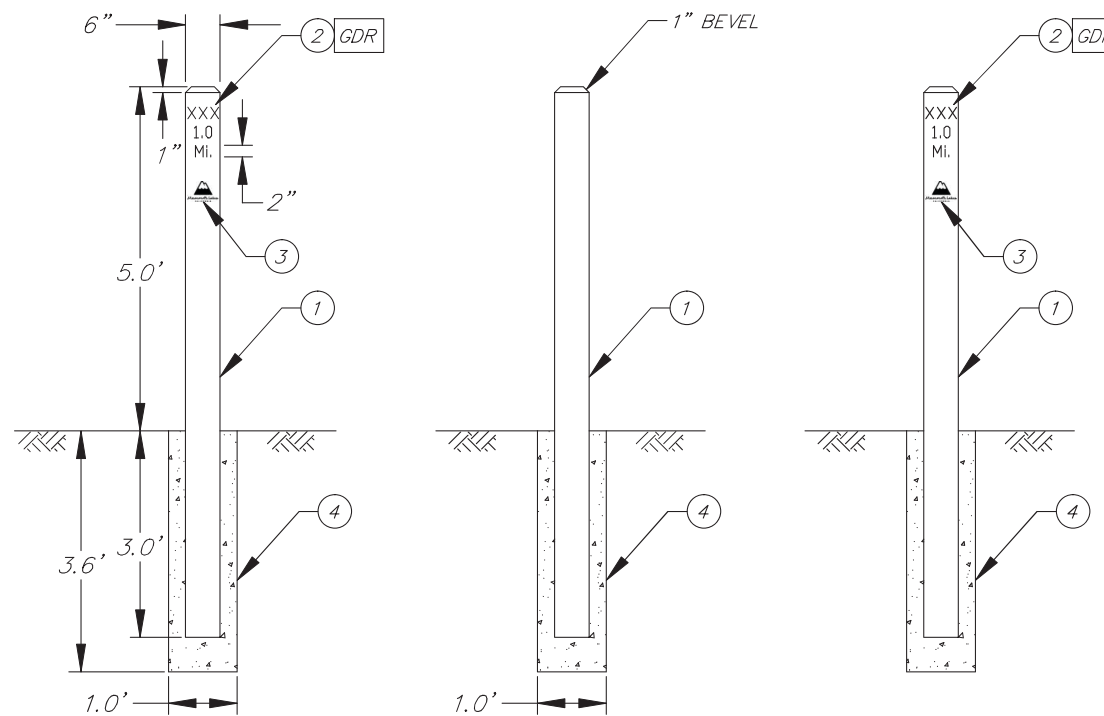
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Prepared by

CONSTRUCTION NOTES

1. POST – 6"x6" BROWN RECYCLED PLASTIC POST.
(EVERLASTING LUMBER BY GREAT LAKES)
2. GRAPHIC – ENGRAVED AND FILLED WITH GLOW IN THE DARK EVERLASTING RESIN.
3. LOGO – RECESSED DIGITAL PRINT. TOWN OF MAMMOTH LAKES LOGO.
4. MOUNTING – DIRECT BURY INTO CONCRETE.

GDR GLOW IN THE DARK EVERLASTING RESIN



MILEAGE POST MARKER DETAIL
N.T.S.

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS



MILEPOST

STANDARD PLAN
602-1
SHEET 15 OF 15

PUBLIC WORKS
DIRECTOR APPROVAL: *[Signature]*

DATE: May 7, 2014



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